CUSTOMER:	PLASTIGLAS	MACHINE:	GL300PET P100/110 E120

PROJECT#:	226764
M/C ITEM#:	2376769
SPECIALS:	
LANGUAGE:	SPANISH
CABINET STANDARDS:	UL
CABINET PART NO.:	2385716

29.Jun.2001

DESIGNER: M.PRETE

CONDUCTOR COLOURS:

MAIN-CIRCUITS:	460 VAC BLACK
N-CONDUCTOR:	WHITE
GND-CONDUCTOR:	GREEN/YELLOW
EXTERNAL POWER:	YELLOW
CONTROL-CIRCUITS:	120 VAC RED NEUTRAL WHITE 26VDC BLUE 0 VDC BLUE

CONNECTED LOADS:

VOLT/PH/FREQ:	460/3/60 3WIRE		
CONTROLS:	10kVA	26A	
PUMP MOTOR:	200HP	225A	
ROBOT & AUX.:	460V	22A	
OTHERS:		N/R	
HEATS MACHINE:	460V	90kW	115A
HEATS MOLD:	460/230V	39kW	137A
MAIN CIRCUIT BREAKER:		500A	
MOLD CIRCUIT BREAKER:		175A	

Rev.	MM/DD/YY	Pages Affected	Description of Changes	By
0	06/29/01		INITIAL RELEASE	MP

Distribution: Handwritten Changes

Revision	Date	Name			
V8			Revised	29.Jun.2001	MPR
			Created by		MPR
			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: SYSTEM INFORMATION 380V/60HZ UL

PROJECT	226764	- 00	
MACHINE	2376769	00-01-3-R00	
DRAWING NO.	2385717A	Sheet 1	Total 12

SUPPLY NO.1 LOAD	460	V	384	A	60	Hz	3P+GND	System
LARGEST MOTOR	225	A						
TOTAL HEAT LOAD	115	A				SHORT-CIRCUIT INTERRUPTING CAPACITY	10	kA
SUPPLY NO.2 LOAD	230	V	137	A	60	Hz	3P+GND	System
LARGEST MOTOR		A						
TOTAL HEAT LOAD	137	A				SHORT-CIRCUIT INTERRUPTING CAPACITY	10	kA

MACHINE TYPE: GL300PET P100/110 E120

SCHEM. ITEM#: 2385717

M/C ITEM#: 2376769

HUSKY INJECTION MOLDING SYSTEMS LTD.
BOLTON, ONTARIO, CANADA L7E 5S5

HUSKY®

SPANISH

SUPPLY NO.X LOAD	(400, 460, 575)V
LARGEST MOTOR	full load amps of the largest motor
TOTAL HEAT LOAD	full load amps of all heats connected to this supply
MACHINE TYPE	clamp+injection model e.g.(GL300PET P100/120 E100)
SCHEM. ITEM#	Schematic item number referencing the actual Eplan drawings

+E-X201

STANDARD N/P 'S 10X48

=10 -Y8SV	+C-X1.1	
=10 -Y29SV	=03 -T1	
=10 -Y30SV		

Revision	Date	Name			
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: SPECIFICATION NAMEPLATE

PROJECT	226764	- 00	
MACHINE	2376769	00-02-0-R00	
DRAWING NO.	2385717A	Sheet 2	Total 12

LIST OF FUNCTION GROUPS

=00	OVERVIEW
=01	MAIN/HEAT POWER SUPPLY
=02	GROUNDING AND CABINET SERVICES
=03	CONTROL VOLTAGE SUPPLY
=04	SAFETY GATES
=05	PUMP MOTOR CIRCUIT
=06	HYDRAULIC POWER UNIT
=07	INJECTION UNIT
=08	INJECTION OPTIONS
=09	CLAMP UNIT
=10	CLAMP OPTIONS
=11	UNUSED
=12	POSITION MEASUREMENT
=13	MACHINE TEMPERATURE CONTROL
=14	MOLD TEMPERATURE CONTROL
=15	PRODUCT HANDLING EQUIPMENT
=16	SPECIALS
=17	PLC UNITS
=SEL	HMI SELECTOR SWITCH LEGENDS
=BOM	BILL OF MATERIAL

CABINET NAMEPLATES

OVERVIEW OF SHEETS

SHEET	DESCRIPTION
=00/1	SYSTEM INFORMATION 380V/60HZ UL
=00/2	SPECIFICATION NAMEPLATE
=00/3	DESCRIPTION OF GROUPS
=00/4	Table of contents
=00/5	Table of contents
=00/6	Table of contents
=00/7	CONNECTOR / JUNCTION BOX DESCRIPTIONS
=00/8	PLC MODULE DESCRIPTIONS
=00/9	CONNECTOR LAYOUT MACHINE CABINET PHASE II
=00/10	CONNECTOR LAYOUT ROBOT WITH COOL JET
=00/11	CONNECTOR LAYOUT MOLD HEATS 56 PET G2 TIPS
=00/12	SYMBOL OVERVIEW
=00/98	Project Tracker
=00/99	GE FANUC COMMUNICATION SPECIAL/NOTES
=01/1	MAINS CONNECTIONS 460V 4WIRE UL TROP W/O MOLD HEAT PLC
=02/1	TYPICAL CABINET GROUNDING DIAGRAM
=02/2	MAIN BREAKER(S) INFORMATION THREE POLE GE ED&C
=03/1	CONTROL TRANSFORMER 115/230VAC 400/460/480V 10kVA 115V OUTLETS+MIXER <=16A
=03/2	CONTROL VOLTAGE SUPPLY 115VAC 56/72/96 G2A TIPS AND/OR TROPICAL
=03/3	CONTROL VOLTAGE SUPPLY 26VDC UL
=03/4	CONTROL 26VDC DISTRIBUTION TWO ADD. BREAKERS
=03/5	CONTROL 0VDC DISTRIBUTION
=04/1	SAFETY GATE HARDWIRED LOGIC W/FSI200 ROBOT
=04/2	SAFETY GATE DIGITAL INPUTS PHASE II
=04/3	SAFETY DROPBAR

SHEET	DESCRIPTION
=05/1	PUMP MOTOR CONNECTIONS WYE-DELTA START TROPICAL
=05/2	PUMP MOTOR CONTROLS WYE-DELTA CK CONTACTORS
=06/1	OIL MONITORING OIL LEVEL/FILTER NORMAL OIL TEMPERATURE
=06/2	HYDRAULIC POWER UNIT DIGITAL OUTPUTS
=06/3	EXTRUDER PUMP #1 CW ROTATION W/ PUMP #2
=06/4	EXTRUDER PUMP #2 CW ROTATION
=06/5	SYSTEM PUMP #1 CW ROTATION W/O #2
=06/6	SYSTEM PUMP #2 (BLANK PAGE)
=07/1	SCREW ROTATION & SHOT SIZE INPUTS
=07/2	EXTRUDER CONTROLS
=07/3	INJECTION PRESSURE CONTROL
=07/4	INJECTION SERVO SPOOL VALVE CONTROLS
=07/5	SHUTOFF NOZZLE CONTROLS
=07/6	TRANSFER SERVO SPOOL VALVE CONTROLS
=07/7	OIL COLLECTION CONTROLS
=07/8	INLET RESIN TEMPERATURE MONITORING
=08/1	MIX/BLENDER OUTLET 230V
=09/1	SHUTTER DIGITAL OUTPUTS
=09/2	CLAMP UNIT DIGITAL OUTPUTS
=09/3	CLAMP / STROKE PRESSURE TRANSDUCERS
=09/4	CLAMP SERVO SPOOL VALVE CONTROLS
=09/5	SHUTTER DIGITAL INPUTS
=09/6	CLAMP CONTROLS GPET MOLD STROKE SERVO VALVE -Y3SD
=09/7	CLAMP GREASE/LUBE/AIR SPC, NO AUD. ALARM
=10/1	MOLD COOLING PARALLEL

OVERVIEW OF SHEETS

SHEET	DESCRIPTION
=10/2	VALVE GATE GL225-300
=10/3	AIR #1 GL225-300
=10/4	HYDRAULIC EJECTOR
=10/5	HYDRAULIC EJECTOR BOOSTER
=11/1	BLANK PAGE
=12/1	CLAMP POSITION MEASUREMENT PHASE II
=12/2	INJECTION / CARRIAGE POSITION MEASUREMENT PHASE II
=12/3	EXTRUDER POSITION MEASUREMENT
=12/4	EJECTOR POSITION MEASUREMENT PHASE II
=13/1	EXTRUDER HEATS P100/110E120 460VUL
=13/2	INJECTION UNIT HEATS P100 460VUL
=14/1	PLC - PLC INTERFACE W/O MOLD HEAT PLC (BLANK PAGE)
=14/2	MANIFOLD & SPRUE HEATS 32/48/56 2A TIPS 230VUL 3WIRE
=14/3	MANIFOLD & SPRUE HEATS (BLANK PAGE) 32/48/72 CAVITY
=14/4	NOZZLE TIP POWER GROUPS 1-4 56 2A TIPS 230VUL 3WIRE
=14/5	NOZZLE TIP 1-16 POWER 2 TIPS PHASE II 230VUL 3WIRE
=14/6	NOZZLE TIP 17-32 POWER 2 TIPS PHASE II 230VUL 3WIRE
=14/7	NOZZLE TIP 33-48 POWER 2 TIPS PHASE II 230VUL 3WIRE
=14/8	NOZZLE TIP 49-56 POWER 2 TIPS PHASE II 230VUL 3WIRE
=15/1	SERVO POWER SUPPLY
=15/2	DRIVE LAYOUT Z,C,X1 AXIS
=15/3	I/O RACK
=15/4	INPUT/ OUTPUT CARDS
=15/5	ROBOT SERVO CONTROLS
=15/6	Z AXIS SERVO SYSTEM

SHEET	DESCRIPTION
=15/7	Z AXIS CONTROL
=15/8	C-AXIS SERVO SYSTEM
=15/9	C AXIS CONTROLS
=15/10	NO Y-AXIS
=15/11	NO Y-AXIS
=15/12	X1-AXIS SERVO SYSTEM B SIZE ROBOT
=15/13	X1 AXIS CONTROL COOL-JET
=15/14	5 HP VACUUM MOTOR ROBOT A OR B SIZE (NO 10 HP OPTION)
=15/15	5 VALVE HIGH FLOW VACUUM WATER COOLING
=15/16	PARTS EJECTION AIR BLOW
=15/17	FLAT BELT CONVEYOR UL STANDARD
=15/18	4 PACK CONVEYOR PHOTOEYES
=15/19	PART DETECTION SENSORS 4 UNITS
=15/20	FAST E12 - CPM
=15/21	MACHINE ROBOT INTERFACE
=15/22	NO PHE
=16/1	BLANK PAGE
=17/1	MACHINE PLC MAIN RACK (A1) W/ EPM
=17/2	MACHINE PLC EXPANSION RACK (A2) W/ MOLD HEAT RACK
=17/3	MACHINE PLC MOLD HEAT RACK (A110) 48/56 2 TIPS
=17/4	HMI - PLC CABLES
=17/5	HMI SLOT ID'S HSSB CARD JUMPERS NO HUSKY HOST INTERFACE
=17/6	CPM DETAILS (R0S3) (A124) PHASE II
=17/7	BLANK SLOT (R0S4)
=17/8	IPM#1 DETAILS (R0S5) (A126)

OVERVIEW OF SHEETS

SHEET	DESCRIPTION
=17/9	IPM#2 DETAILS (R0S6) (A127)
=17/10	EPM and ALG390 DETAILS (R0S7,8) (A125, 49) W/ EPM
=17/11	TCM DETAILS (R0S9,10) (A33, 32)
=17/12	DIGITAL INPUT DETAILS (R1S1,2) (A63, A64)
=17/13	DIGITAL OUTPUT DETAILS (R1S3,4) (A71, A72)
=17/14	DIGITAL OUTPUT DETAILS (R1S5,6) (A73, A74)
=17/15	DIGITAL I/O DETAILS (R1S7,8) (A75, ---) W/ MOLD HEAT RACK
=17/16	BLANK & DIGITAL INPUT DETAILS (R1S9,10) (--, A65) W/ MOLD HEAT RACK
=17/17	TCM DETAILS (R2S1,2) (A34, ---) 48/56 % TIPS W/ MOLD HEAT RACK
=17/18	DIGITAL OUTPUT DETAILS (R2S3,4) (A77, A78) 48/56 % TIPS W/ MOLD HEAT RACK
=SEL/1	HMI KEYPAD LAYOUT PHASE II
=BOM/1	
=BOM/2	
=BOM/3	
=BOM/4	
=BOM/5	
=BOM/6	
=BOM/7	

SHEET	DESCRIPTION

Revision	Date	Name			
			Revised	10.Jun.2001	NPR
			Created by		
			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description:

PROJECT	226764	- 00	
MACHINE	2376769	Sheet 6	Total 12
DRAWING NO.	2385717A		

--MAIN CABINET CONNECTORS AND TERMINALS --

+P-X1 = CLAMP
+P-X2 = MOVING PLATEN
+P-X2.1= MOVING PLATEN - (air functions) (OPTIONAL)
+P-X3 = STATIONARY PLATEN
+P-X3.1= STATIONARY PLATEN - (air functions) (OPTIONAL)
+P-X4 = CLAMP BASE DC - (Limit switches and alarms)

+P-X21 (W21) = INJECTION BASE
+P-X22 (W22) = INJECTION MANIFOLD
+P-X23 (W23) = EXTRUDER
+P-X24 (W24) = INJECTION

+P-X208 = ROBOT INTERLOCKS

+A6-X1 = MACHINE PLC POWER SUPPLY SNPX PORT
+A8-PORT2 = PLC CPU SNPX PORT #2
+A8-PORT2.1 = PLC CPU SNPX PORT#2 TO 2ND MOLD HEATS PLC

--MOLD HEAT CONNECTORS AND TERMINALS --

+O-XA = MOLD HEAT T/C
+O-XB = MOLD HEAT POWER
+O-XC = MOLD HEAT NOZZLE TIP POWER
+O-XD = MOLD HEAT NOZZLE TIP POWER
+O-XE = MOLD HEAT POWER
+O-XF = MOLD HEAT POWER (OPTIONAL)
+O-XG = MOLD HEAT POWER (OPTIONAL)
+O-XH = MOLD HEAT NOZZLE TIP POWER (OPTIONAL)
+O-XJ = MOLD HEAT NOZZLE TIP T/C (OPTIONAL)
+O-XK = MOLD HEAT NOZZLE TIP T/C (OPTIONAL)
+O-XL = MOLD HEAT NOZZLE TIP POWER (OPTIONAL)
+O-XM = MOLD HEAT NOZZLE TIP T/C (OPTIONAL)
+O-XN = MOLD HEAT NOZZLE TIP T/C (OPTIONAL)

--HMI CONNECTORS AND TERMINALS --

+P-X44 = HMI AC POWER AND EMERGENCY STOP
+A81-X1 = HMI AC POWER AND EMERGENCY STOP
+A81-X2 = HMI SERIAL COMMUNICATIONS

--LINE CONNECTORS AND TERMINALS --

+C-X1.1 = CLAMP PROXIMITY SWITHCHES
+C-X2 = CLAMP MOVI. PLATEN TERMINAL BOX
+C-X3 = CLAMP STAT. PLATEN TERMINAL BOX
+C-X4 = CLAMP BASE TERMINAL BOX

+E-X23 = MACHINE HEAT T/C
+E-X24 = EXTRUDER HEAT POWER
+E-X33 = INJECTION HEAT T/C
+E-X34 = INJECTION HEAT POWER

-B1PT = EXTRUDER PUMP PRESSURE (OPTIONAL)
-B2PT = SYSTEM PUMP PRESSURE
-B3PT = INJECTION PRESSURE
-B4PT = INJECTION ACC PRESSURE (OPTIONAL)
-B5PT = MOLD CLOSING PRESSSURE
-B6PT = CLAMP TONNAGE PRESSURE
-B7PT = CLAMP ACC. PRESSURE (OPTIONAL)
-B8PT = HYDRAULIC MOTOR PRESSURE (OPTIONAL)
-B22PT = CARRIAGE TRANSFER PRESSURE (OPTIONAL)

Revision	Date	Name			
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: CONNECTOR / JUNCTION BOX DESCRIPTIONS

PROJECT	226764	- 00	
MACHINE	2376769	00-07-0-R00	
DRAWING NO.	2385717A	Sheet 7	Total 12

--GE PLC 90/30 MODULES--

-A6 = POWER SUPPLY - BASE RACK

-A8 = CPU - MACHINE PLC

-A101 = CPU - MOLD HEATS

-A32 = TCM TEMPERATURE CTRL MODULE - MACHINE HEATS

-A33 = TCM TEMPERATURE CTRL MODULE - MACHINE HEATS

-A34 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A35 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A36 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A37 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A38 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A39 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A95 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A96 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A111 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A117 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A118 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A133 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A134 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A135 = TCM TEMPERATURE CTRL MODULE - MOLD HEATS

-A48 = ALG442 ANALOG MODULE

-A49 = ALG442 ANALOG MODULE

-A63 = MDL646 DIGITAL INPUT MODULE

-A64 = MDL646 DIGITAL INPUT MODULE

-A65 = MDL646 DIGITAL INPUT MODULE

-A66 = MDL646 MOLD HEAT PLC INTERFACE MODULE

-A71 = MDL742 DIGITAL OUTPUT MODULE

-A72 = MDL730 DIGITAL OUTPUT MODULE

-A73 = MDL730 DIGITAL OUTPUT MODULE

-A74 = MDL730 DIGITAL OUTPUT MODULE

-A75 = MDL730 DIGITAL OUTPUT MODULE

-A76 = MDL730 DIGITAL OUTPUT MODULE

-A77 = MDL753 DIGITAL OUTPUT MODULE

-A78 = MDL753 DIGITAL OUTPUT MODULE

-A86 = POWER SUPPLY - EXPANSION RACK

-A82 = MDR390 DIGITAL I/P MODULE

-A99 = I/O LINK CONTROLLER

-A124 = APU302 CPM CLAMP POSITIONING MODULE

-A126 = APU302 IPM INJECTION POSITIONING MODULE

-A127 = APU302 IPM INJECTION POSITIONING MODULE

-A128 = DVDM DIGITAL VALVE DRIVER MODULE

-A206 = POWER SUPPLY - MOLD HEATS BASE RACK

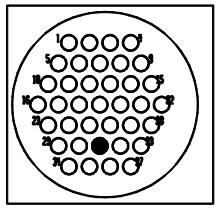
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

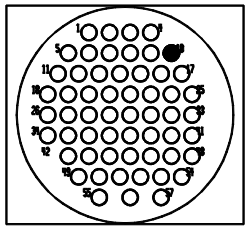
Machine Model: GL300PET P100/110 E120

Description: PLC MODULE DESCRIPTIONS

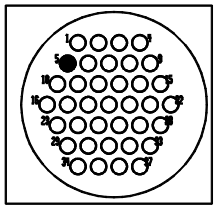
PROJECT	226764	- 00	
MACHINE	2376769	00-00-0-A00	
DRAWING NO.	2385717A	Sheet 8	Total 12



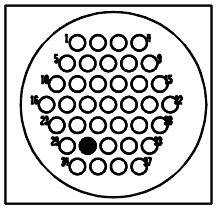
+P-X208
FEMALE
ROBOT
INTERLOCK



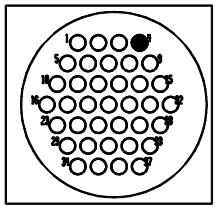
+P-X1
FEMALE
CLAMP



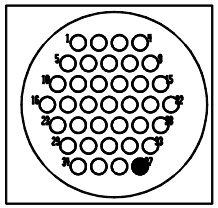
+P-X2
FEMALE
MOVING
PLATEN



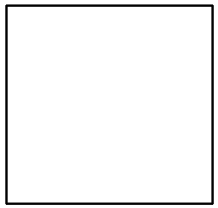
+P-X3
FEMALE
STATIONARY
PLATEN



+P-X4
FEMALE
BASE
DC

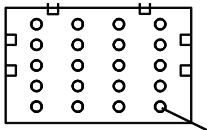


+P-X5
FEMALE
EJECTOR
TEMPOSONICS



This row of
connectors
continues

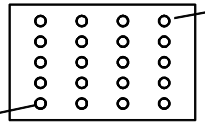
CONNECTOR PIN IDENTIFICATION



AVON
CONNECTOR
(CABLE)
FEMALE

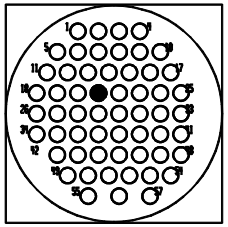
Pin 20

PIN 20

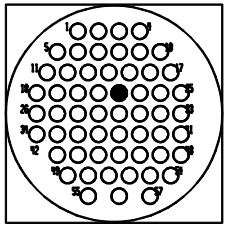


AVON
CONNECTOR
(MODULE SIDE)
MALE

PIN 1



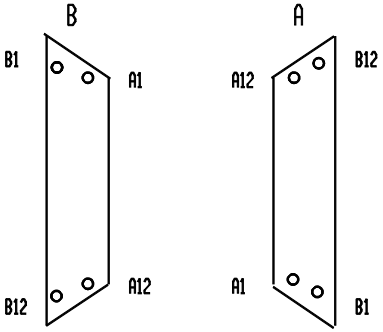
+P-X21
FEMALE
INJECTION
BASE



+P-X22
FEMALE
INJECTION
MANIFOLD

+P-X44
FEMALE
HMI POWER
E-STOP

APU CABLE PIN OUTS



NOTE:

ROW CONFIGURATION SHOWS MATING SIDE OF CONNECTOR

● INDICATES CODING PIN LOCATION

			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: CONNECTOR LAYOUT
MACHINE CABINET
PHASE II

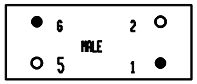
PROJECT	226764	- 00	
MACHINE	2376769	00-09-R00	
DRAWING NO.	2385717A	Sheet 9	Total 12

ROBOT CONNECTORS

Location: Robot leg

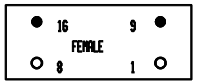
ROBOT POWER

+R-X207



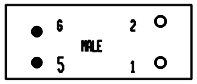
PART DETECTION SENSOR

+R-X212



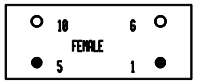
VACUUM BLOW POWER

+R-X117



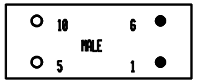
CPM- FAST E12

+R-X213



CONVEYOR POWER

+R-X19



ROBOT JUNCTION BOX

Location: ROBOT CONVEYOR

ROBOT INTERLOCKS

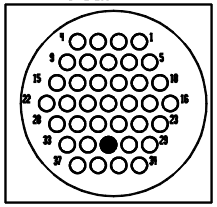
+R-X208

ROBOT CONNECTORS

Location: Machine Cabinet

+P-X208

FEMALE
ROBOT
INTERLOCK



ROBOT CABINET CONNECTORS AND TERMINALS

+TB1 = ROBOT CONTROLS

+TB2 = ROBOT POWER

+TB3 = ROBOT HEAT EXCHANGER POWER

+TB130 = DC COMMON

+TB52 = UNPROTECTED + 24 VDC

+TB81 = E-STOP PROTECTED + 24 VDC

-AID16D_1 = WIRING ARM INPUT CARD SLOT 1

-AID16D_2 = WIRING ARM INPUT CARD SLOT 2

-AOD16D_4 = WIRING ARM OUTPUT CARD SLOT 4

-AOR16G_5 = WIRING ARM OUTPUT CARD SLOT 5

-PMH_JE1 = PMH JE1 HIGH SPEED INPUTS/OUTPUTS

ROBOT LINE CONNECTORS AND TERMINALS

+R-X19 = ROBOT CONVEYOR PCOWER MOUNTED ON THE ROBOT LEG

+1R-X19 = ROBOT CONVEYOR POWER MOUNTED ON THE FRAME

+R-X103 = VACCUUM VALVES AND WATER COOLING

+R-X104 = PARTS EJECTION AND AIR BLOW

+R-X117 = ROBOT VACUUM BLOWER POWER

+R-X207 = ROBOT SERVO TRANSFORMER

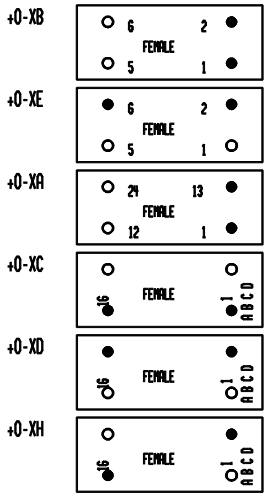
+R-X208 = ROBOT JUNCTION BOX

+R-X212 = PART DETECTION SENSORS

+R-X213 = MACHINE-ROBOT INTERLOCK

			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CONNECTOR LAYOUT ROBOT WITH COOL JET	PROJECT 226764 - 00
			Created by		MPR				MACHINE 2376769 00-10-7-R00
V8			Approved						DRAWING NO. 2385717A Sheet 10 Total 12
Revision	Date	Name	Engineer						

MOLD HEAT CONNECTOR LAYOUT



MOLD HEAT
MANIFOLD POWER

MOLD HEAT
MANIFOLD POWER

MOLD HEAT
MANIFOLD THERMOCOUPLES

MOLD HEAT
TIP POWER

MOLD HEAT
TIP POWER

MOLD HEAT
TIP POWER

			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: CONNECTOR LAYOUT
MOLD HEATS
56 PET G2 TIPS

PROJECT	226764	- 00	
MACHINE	2376769	00-11-7-R00	
DRAWING NO.	2385717A	Sheet 11	Total 12

-Q..M -CIRCUIT BREAKER

-T.. -TRANSFORMER

-M.. -AC INDUCTION MOTOR

-M.. -DC MOTOR

-K.. -CONTACTOR POWER CONTACTS

-K.. -CONTACT N.O.

-K.. -CONTACT N.C.

-K.. -RELAY/CONTACTOR COIL

-CONTACTS
CROSS-REFERENCE

-F.. -FUSE

-S..LS -LIMIT SWITCH NO

-S..LS -LIMIT SWITCH NC

-S..PS -PRESSURE SWITCH

-S..LS -LEVEL SWITCH

-S.. -3-POS. SELECTOR SWITCH

-S.. -2-POS. SELECTOR SWITCH

-S.. -PUSH BUTTON

-S.. -E-STOP MUSHROOM PUSH BUTTON

-Y..DP
-Y..DQ
-Y..PP
-Y..PQ

-HYDRAULIC VALVE SOLENOID
DP - Digital Pressure
DQ - Digital Flow
PP - Proportional Pressure
PQ - Proportional Flow

-Y..SV -PNEUMATIC VALVE SOLENOID

-H.. -ALARM LIGHT

-H.. -HORN

-X.. -TERMINAL

-X.. -MULTIPIN CONNECTOR

-S..PX -PROXIMITY SWITCH

-R. -VARISTOR

-DIODE

-E.. -HEATING ELEMENT

-B..TC -THERMOCOUPLE

-R... -RTD

-B..PT -PRESSURE TRANSDUCER

-S..PS -PRESSURE SWITCH
WITH 2 LED

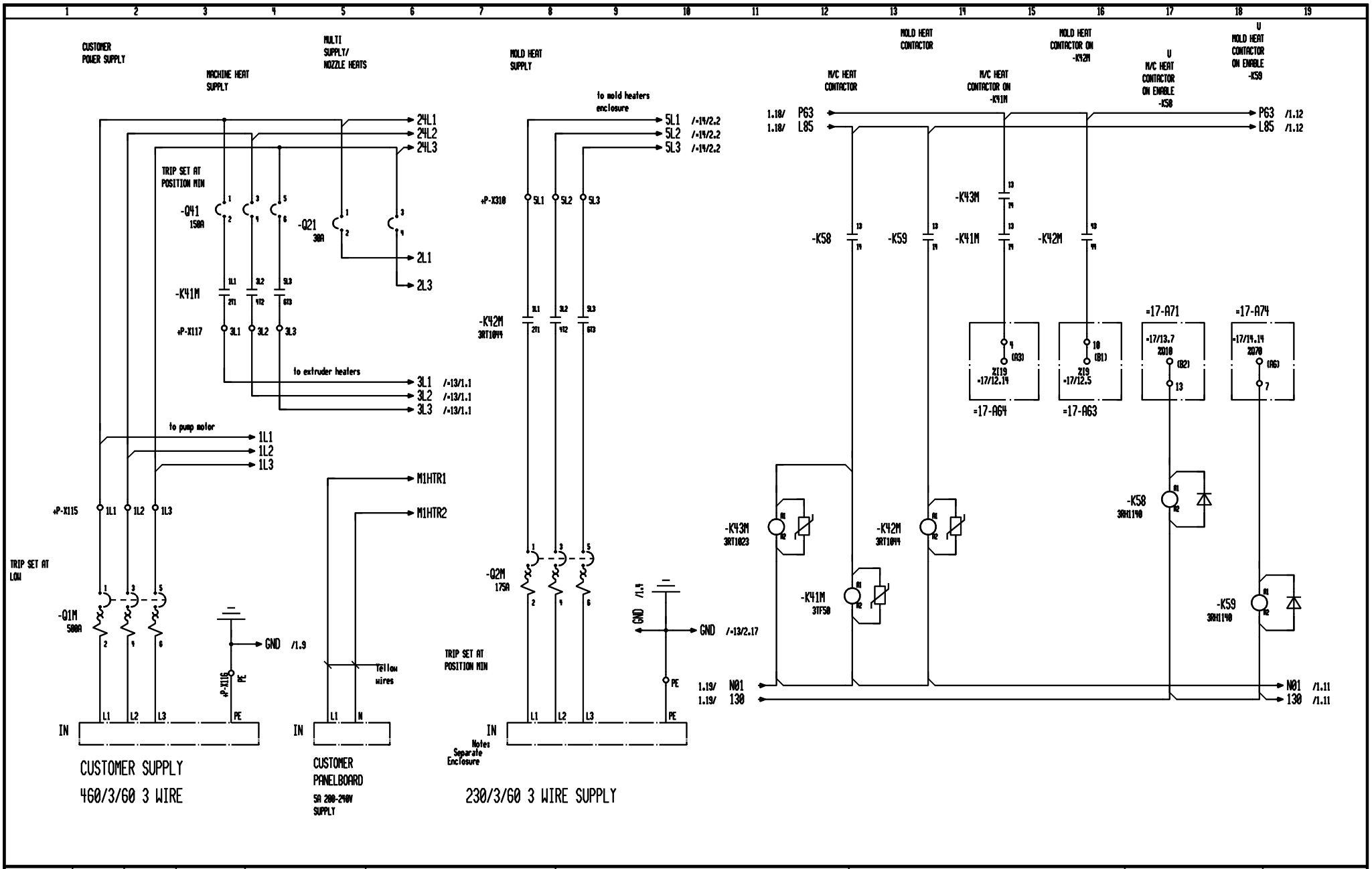
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

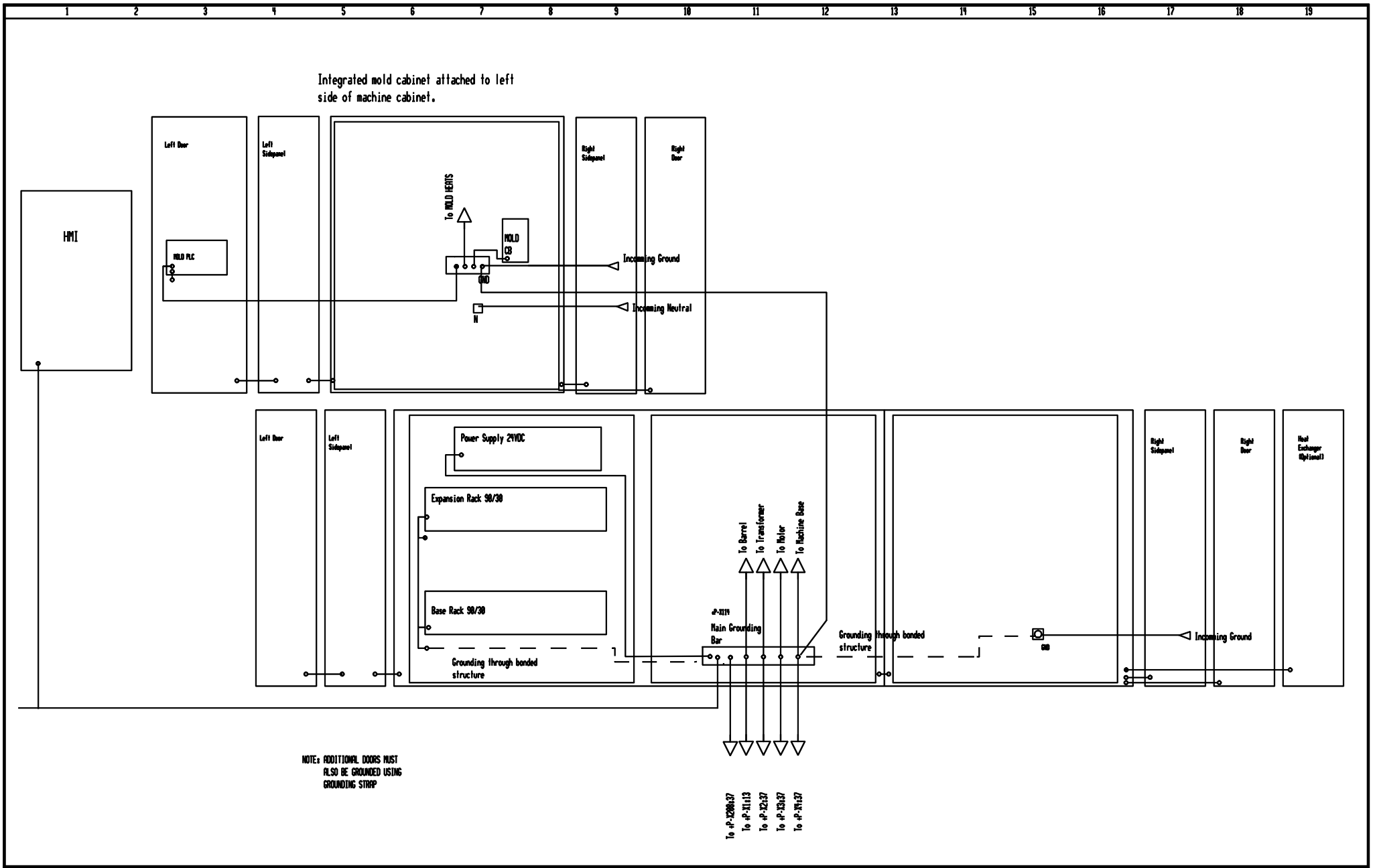
Machine Model: GL300PET P100/110 E120

Description: SYMBOL OVERVIEW

PROJECT	226764 - 00
MACHINE	2376769 00-12-0-R00
DRAWING NO.	2385717A Sheet 12 Total 12



			Revised	27.Jun.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: MAINS CONNECTIONS 460V 4WIRE UL TROP W/O MOLD HEAT PLC	PROJECT 226764 · 01
			Created by		MPR				MACHINE 2376769 — SPECIAL
V8			Approved						DRAWING NO. 2385717A — Sheet 1 Total 1
Revision	Date	Name	Engineer						



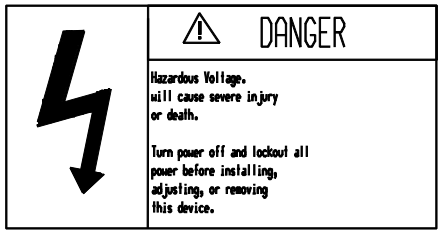
			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: TYPICAL CABINET GROUNDING DIAGRAM	PROJECT 226764 · 02
			Created by		MPR				MACHINE 2376769 02-01-0-R00
V8			Approved						DRAWING NO. 2385717A Sheet 1 Total 2
Revision	Date	Name	Engineer						

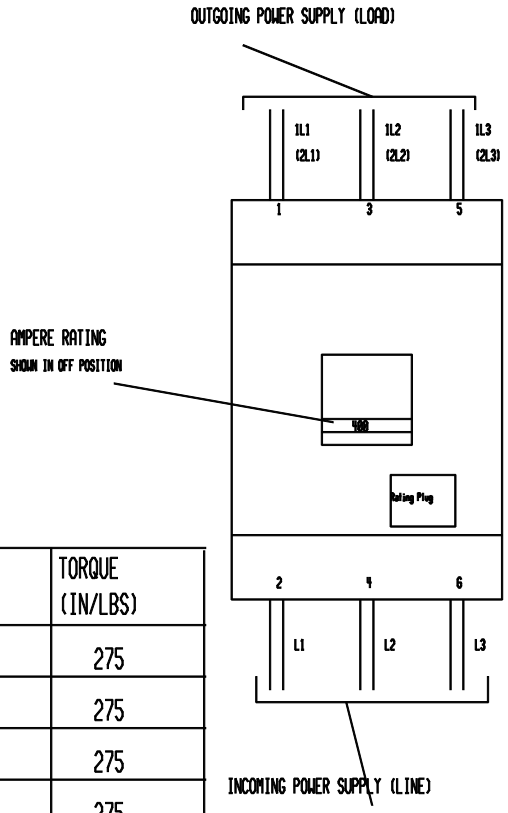
CAUTION - UNLESS OTHERWISE SPECIFIED THIS BREAKER(S) IS COMMONLY WIRED WITH THE INCOMING POWER SUPPLY WIRED TO THE

BOTTOM OF THE BREAKER.

ENSURE THERE IS NO POWER ON BOTH SIDES OF THE BREAKER BEFORE PERFORMING ANY WORK OR MAINTENANCE.

CAUTION - THERE MAY BE MORE THAN ONE BREAKER OR DISCONNECT.





RATING PLUG	GEF MODEL	BREAKER PLUG #	#/ CONN.	ALUMINUM WIRES LUG SIZE (AWG)	ALUMINUM WIRES LUG SIZE (mm 2)	COPPER WIRES LUG SIZE (AWG)	COPPER WIRES LUG SIZE (mm 2)	LUG MODEL	TORQUE (IN/LBS)
300A	SG	711586	2 1	1/0-500MCM OR #6-600MCM	50-240 OR 10-240	2/0-400MCM OR #6-600MCM	70-185 OR 10-240	TCLK365 *	275
350A	SG	711656						TCLK365 *	275
400A	SG	711657						TCLK365 *	275
450A	SG	711663						TCLK365 *	275
500A	SG	711664						TCLK365 *	275
600A	SG	711665						TCLK365 *	375
700A	SK	711671	3	3/0-500MCM	76-240	3/0-500MCM	70-240	TCAL81	375
800A	SK	711672	3	3/0-500MCM	76-240	3/0-500MCM	70-240	TCAL81	375

*TCLK365 HAS TWO TERMINATION SCREWS.

	COPPER	ALUMINUM
SMALL SCREW	#6-500MCM	#6-400MCM
LARGE SCREW	1/0-600MCM	2/0-600MCM

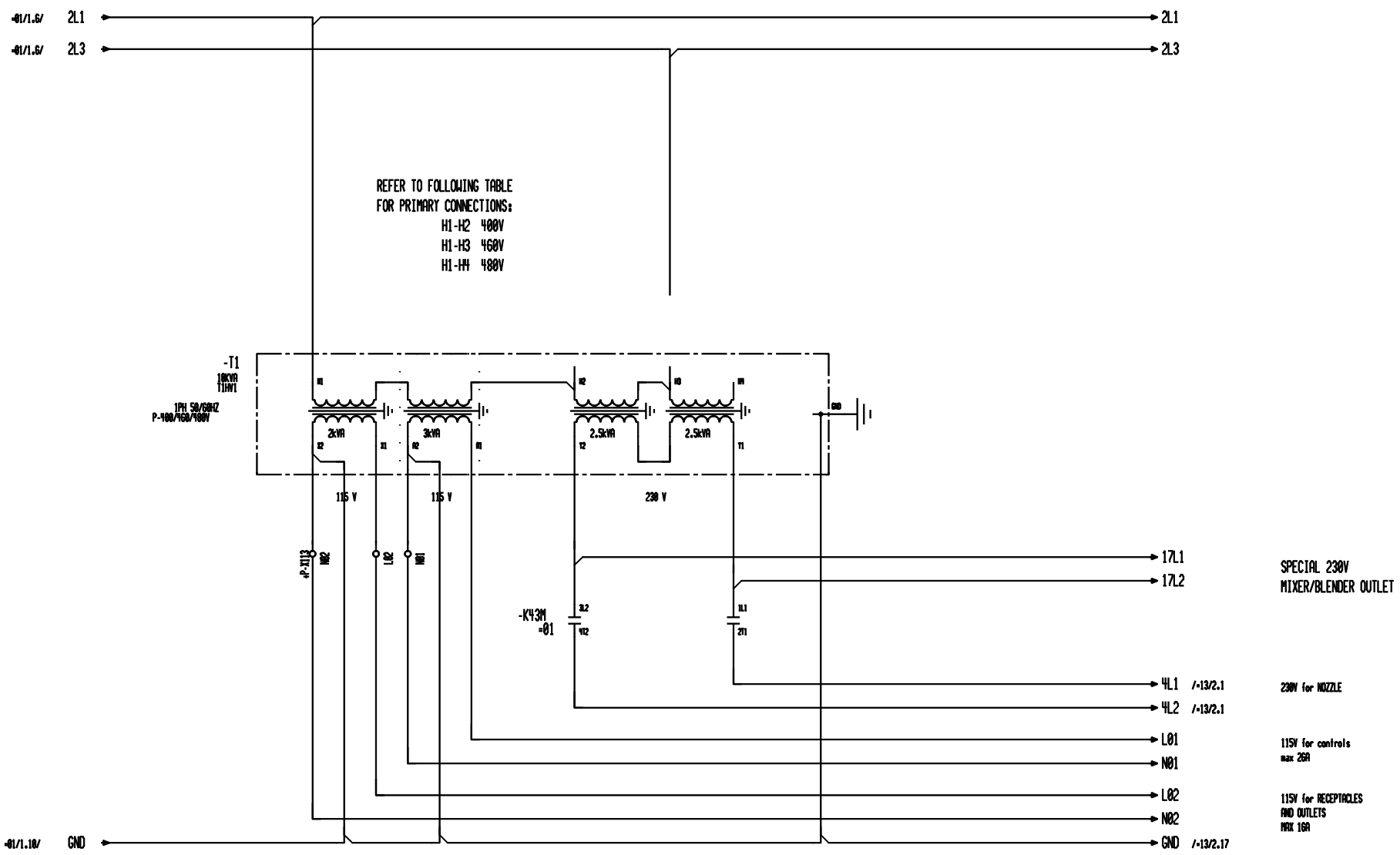
Revision	Date	Name			
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

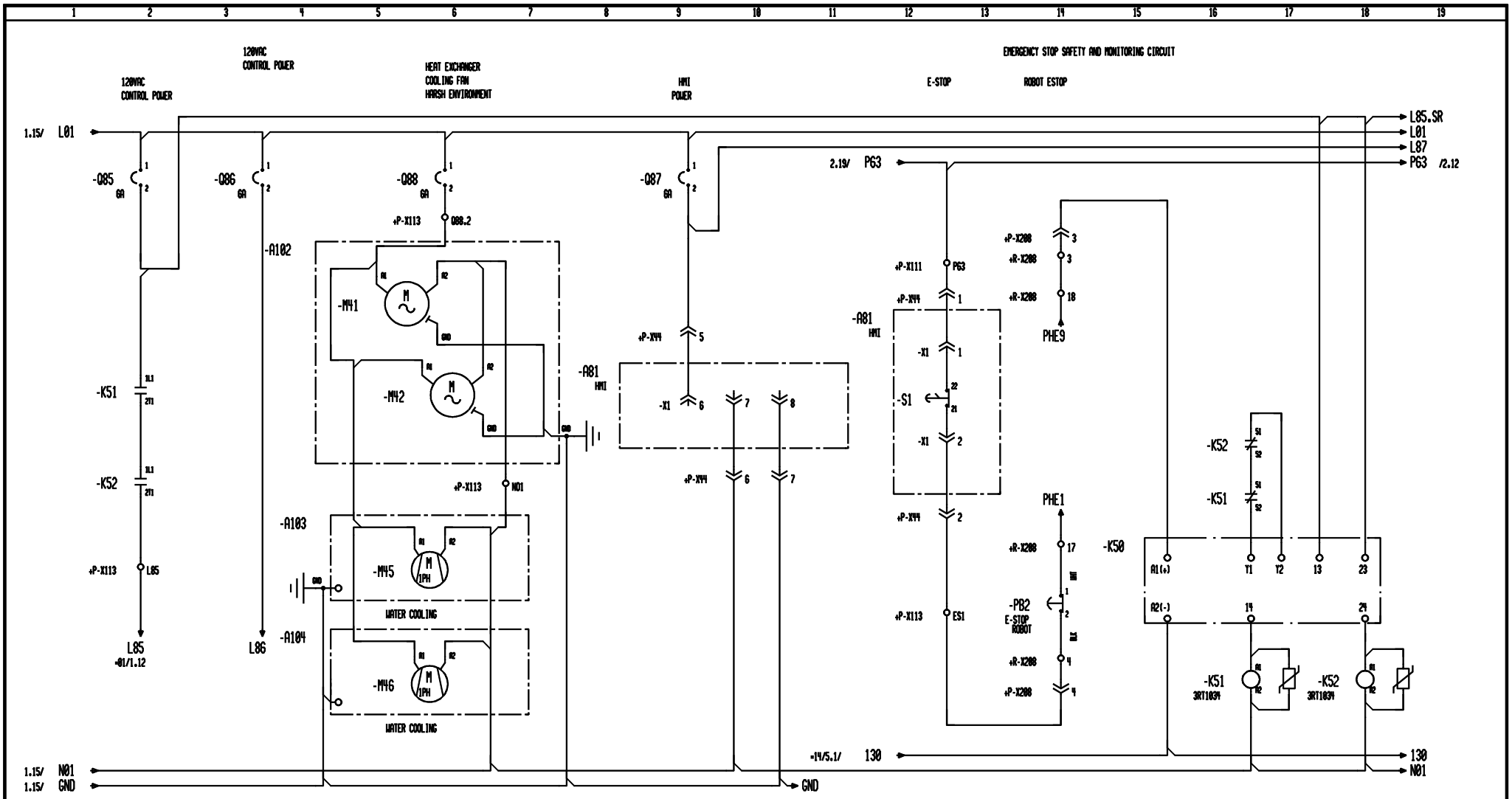
Description: MAIN BREAKER(S) INFORMATION THREE POLE GE ED&C

PROJECT	226764	- 02
MACHINE	2376769	02-02-0-R00
DRAWING NO.	2385717A	Sheet 2 / Total 2

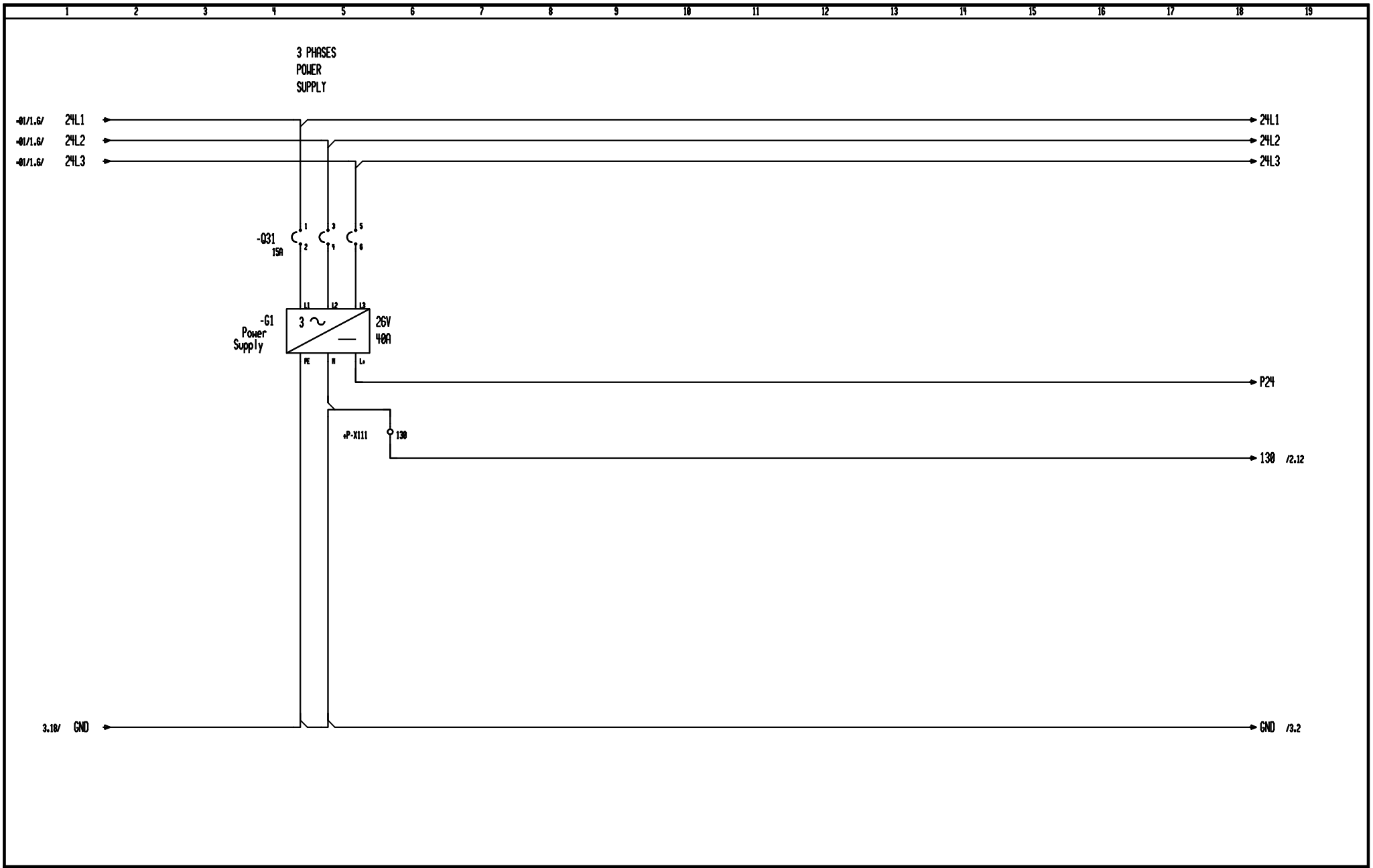


NOTE:CONDUCTORS #10AWG

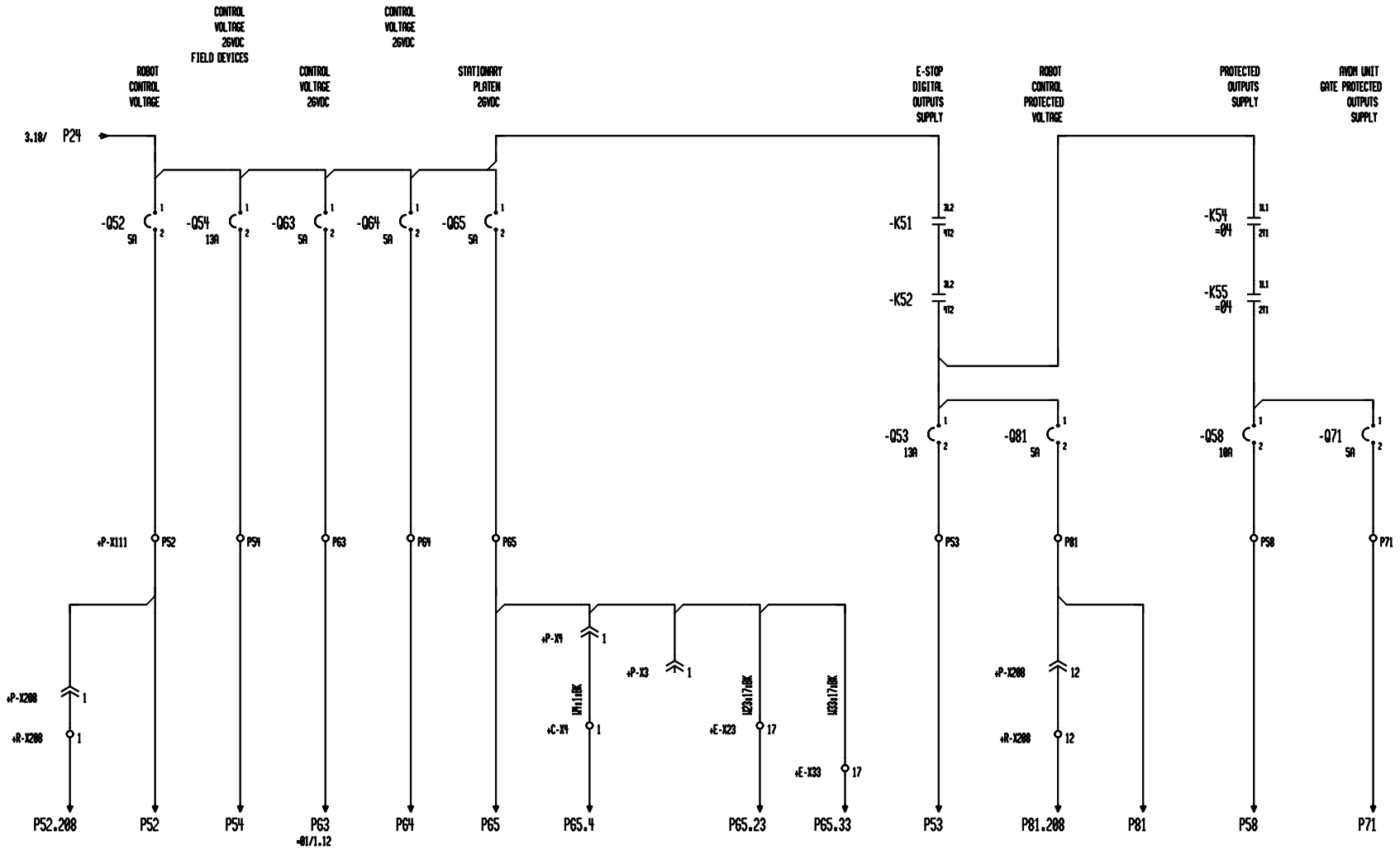
			Revised	29.May.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CONTROL TRANSFORMER 115/230VAC 400/460/480V 10kVA 115V OUTLETS+MIXER <=16A	PROJECT 226764	- 03
			Created by		MPR				MACHINE 2376769	03-01-1-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 1 / Total 5
Revision	Date	Name	Engineer							



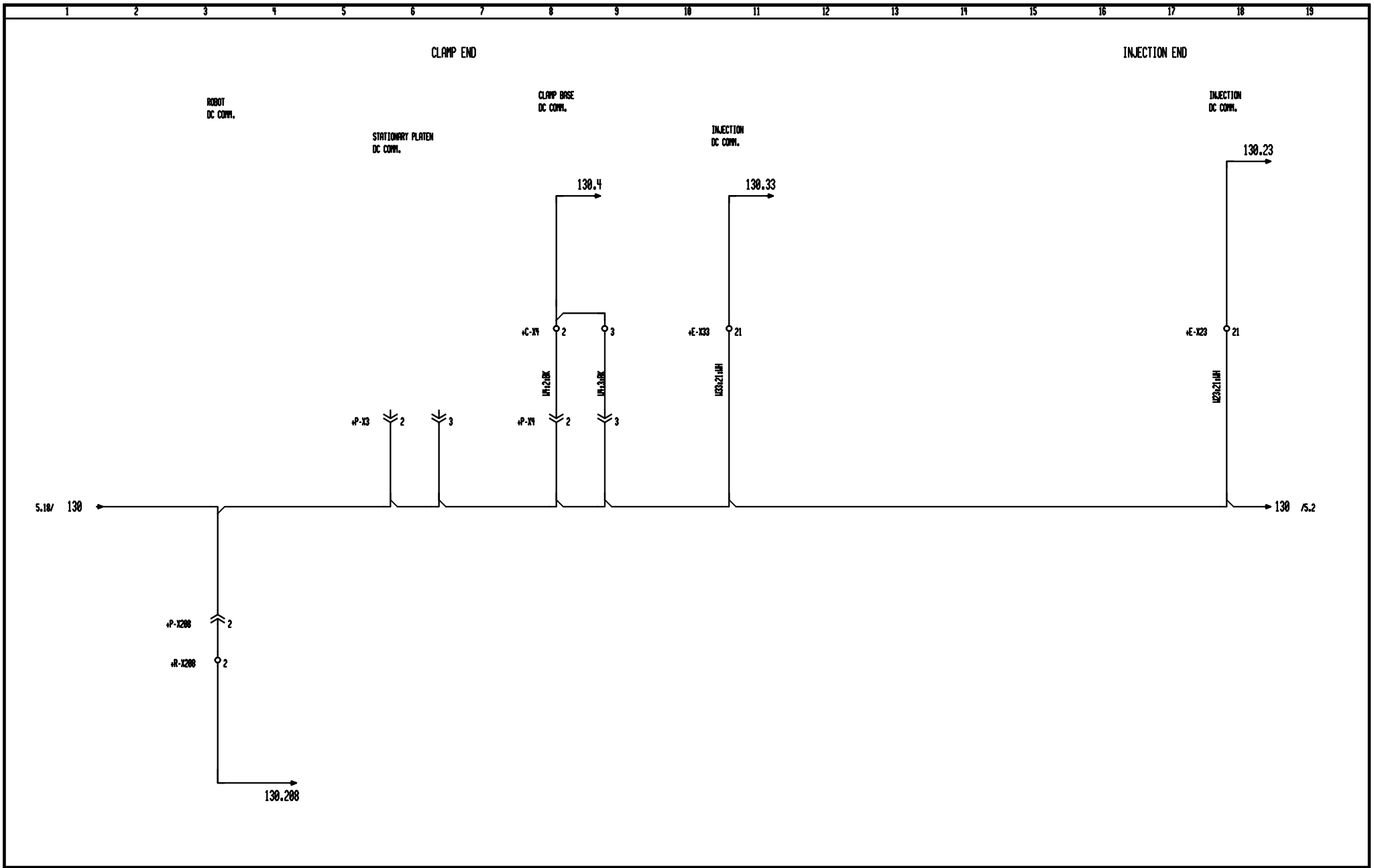
			Revised	29.May.2001	KBE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CONTROL VOLTAGE SUPPLY 115VAC 56/72/96 G2A TIPS AND/OR TROPICAL	PROJECT 226764 · 03
			Created by		MPR				MACHINE 2376769 SPECIAL
V8			Approved						DRAWING NO. 2385717A Sheet 2 Total 5
Revision	Date	Name	Engineer						



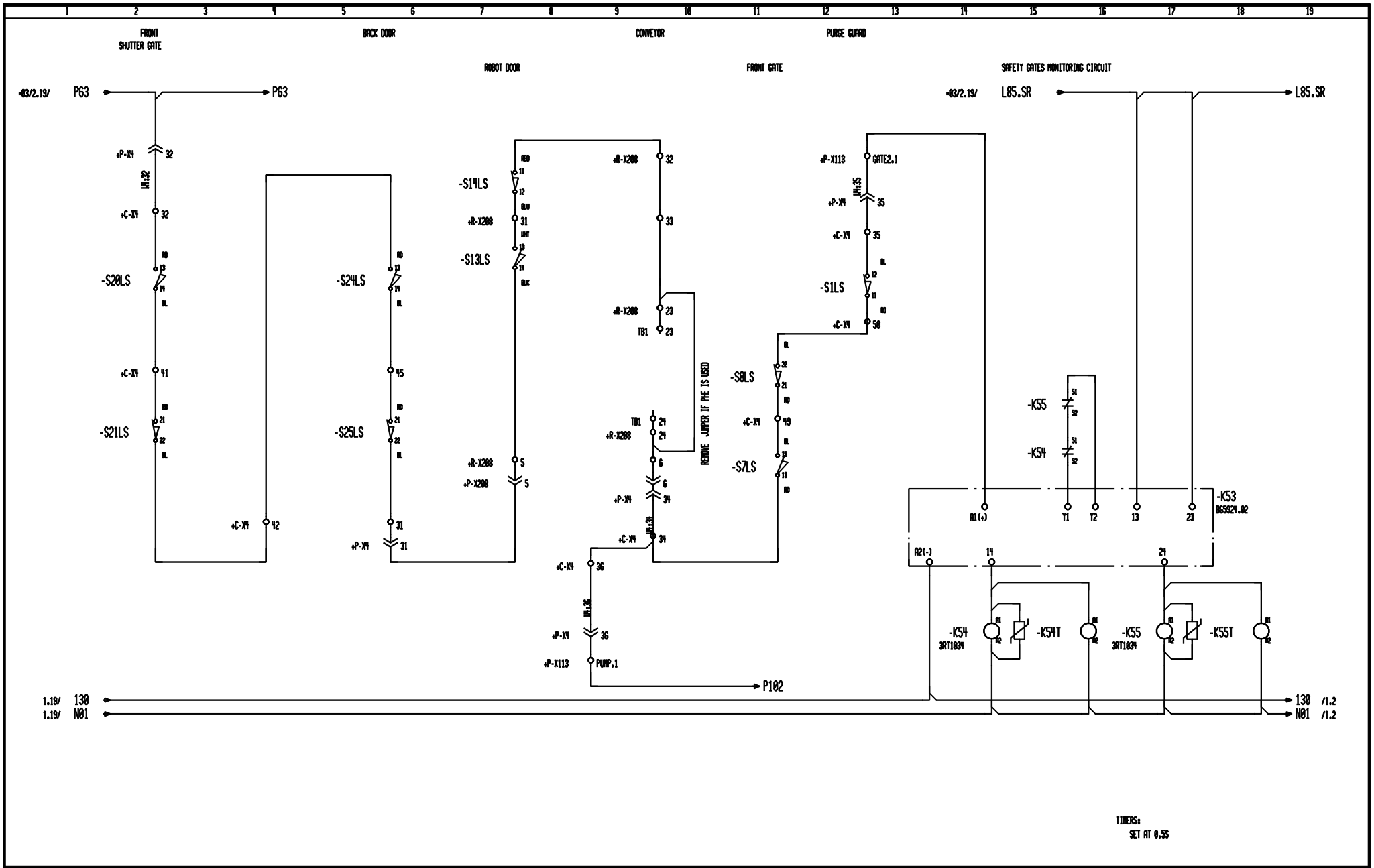
			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CONTROL VOLTAGE SUPPLY 26VDC UL	PROJECT 226764	- 03
			Created by		MPR				MACHINE 2376769	03-03-2-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 5
Revision	Date	Name	Engineer							



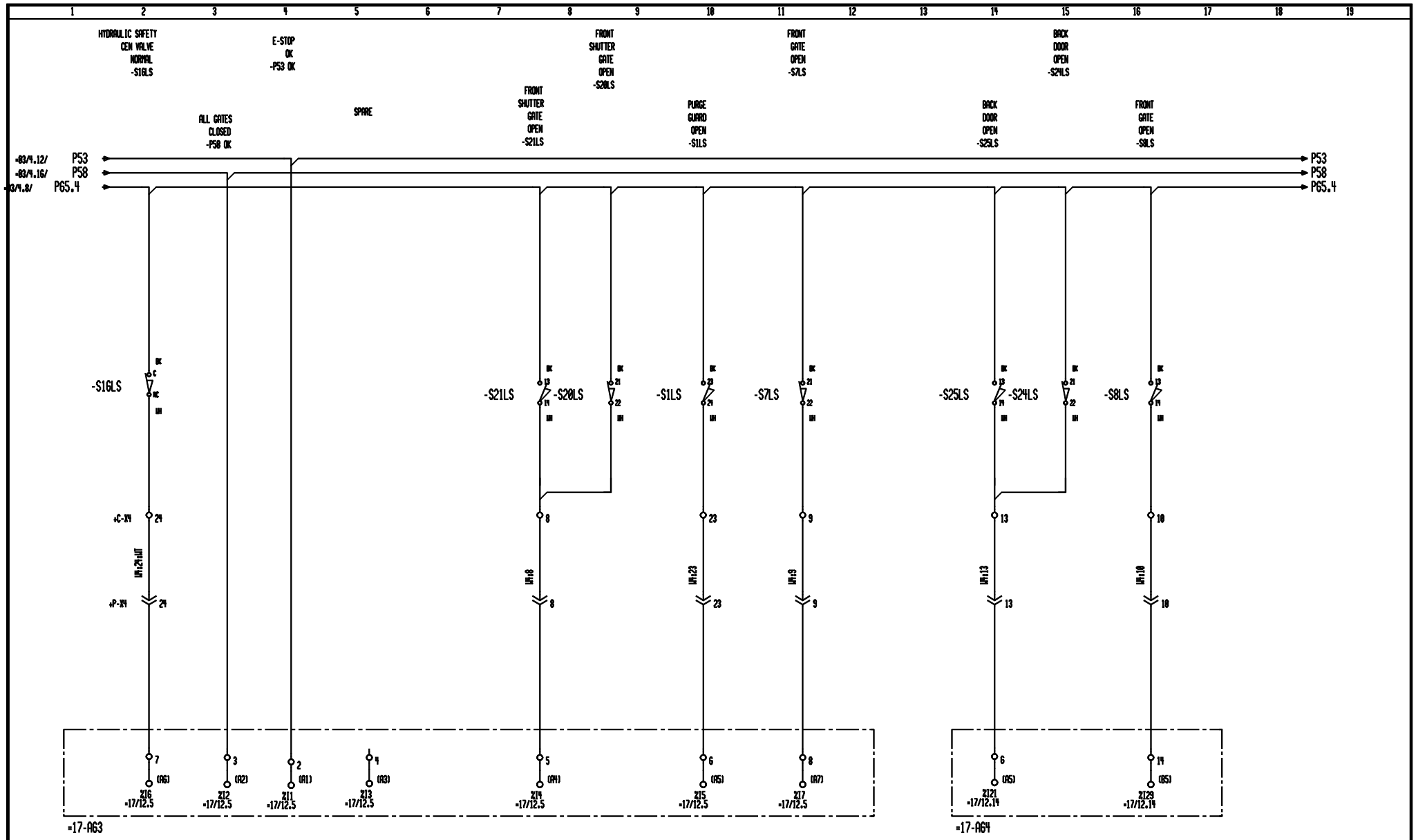
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CONTROL 26VDC DISTRIBUTION TWO ADD. BREAKERS	PROJECT 226764 · 03
			Created by		MPR				ARCHIVE 2376769 03-01-0-R00
V8			Approved						DRAWING NO. 2385717A Sheet 4 Total 5
Revision	Date	Name	Engineer						



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CONTROL 0VDC DISTRIBUTION	PROJECT 226764	- 03
			Created by		MPR				MACHINE 2376769	03-05-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 5 / Total 5
Revision	Date	Name	Engineer							

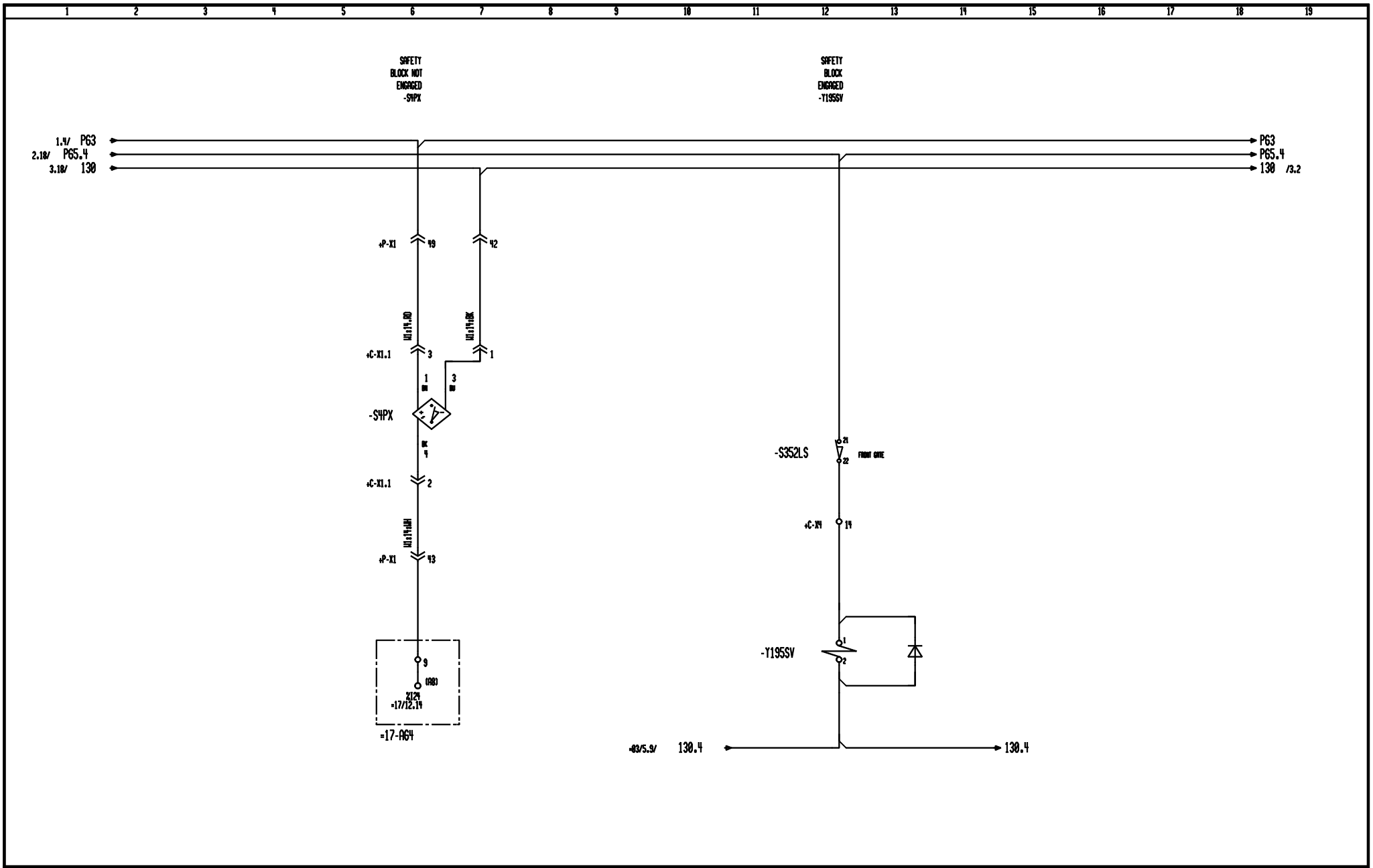


			Revised	29.May.2001	KBE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SAFETY GATE HARDWIRED LOGIC W/FSI200 ROBOT	PROJECT 226764 · 04
			Created by		MPR				MACHINE 2376769 · 04-01-1-R00
V8			Approved						DRAWING NO. 2385717A · Sheet 1 · Total 3
Revision	Date	Name	Engineer						

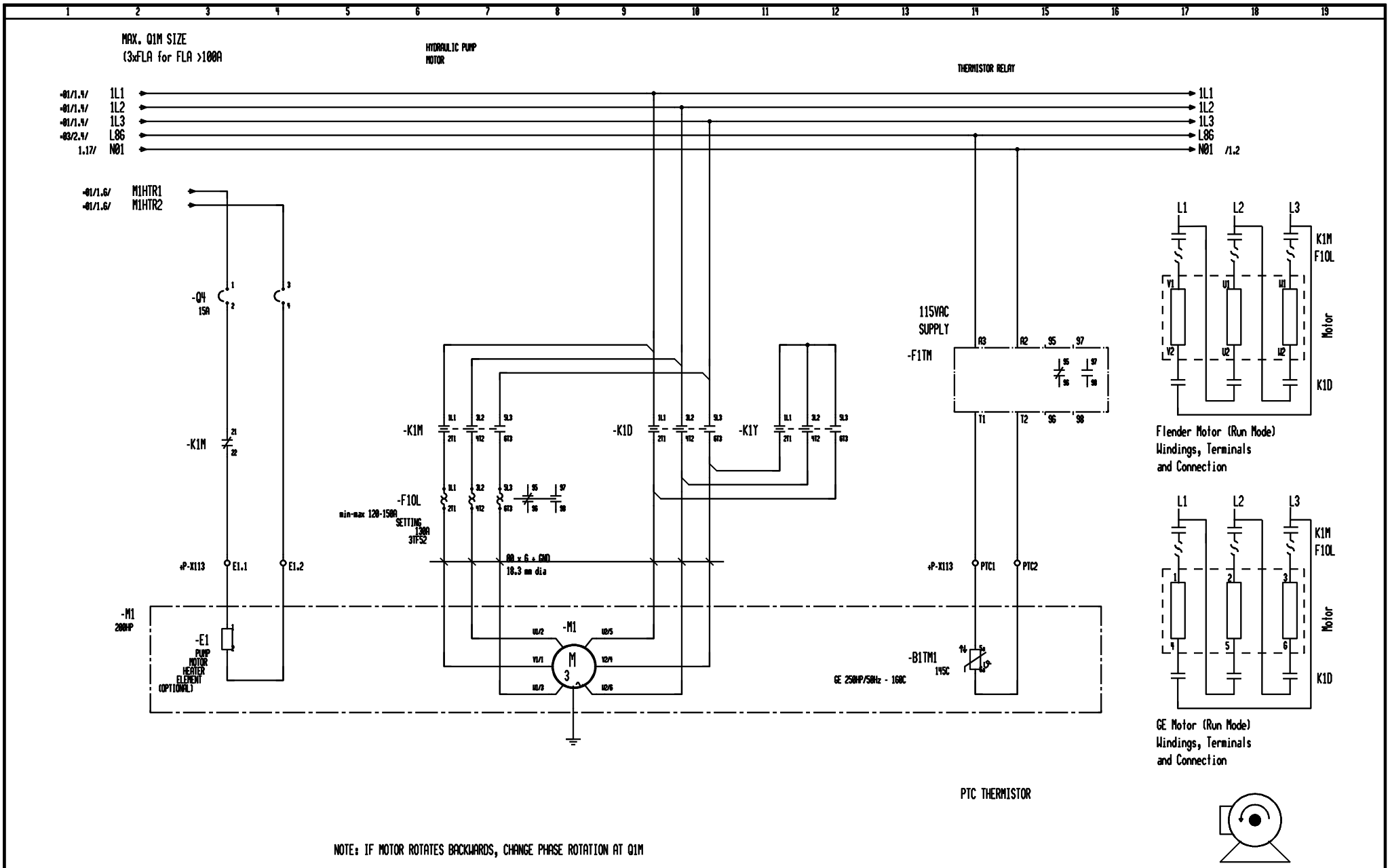


			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SAFETY GATE DIGITAL INPUTS PHASE II
			Created by		MPR			
V8			Approved					
Revision	Date	Name	Engineer					

PROJECT	226764	= 04	
ARCHIVE	2376769	04-02-0-A00	
DRAWING NO.	2385717A	Sheet 2	Total 3



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SAFETY DROPBAR	PROJECT 226764	= 04
			Created by		MPR				MACHINE 2376769	04-03-1-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 3
Revision	Date	Name	Engineer							



NOTE: IF MOTOR ROTATES BACKWARDS, CHANGE PHASE ROTATION AT Q1M

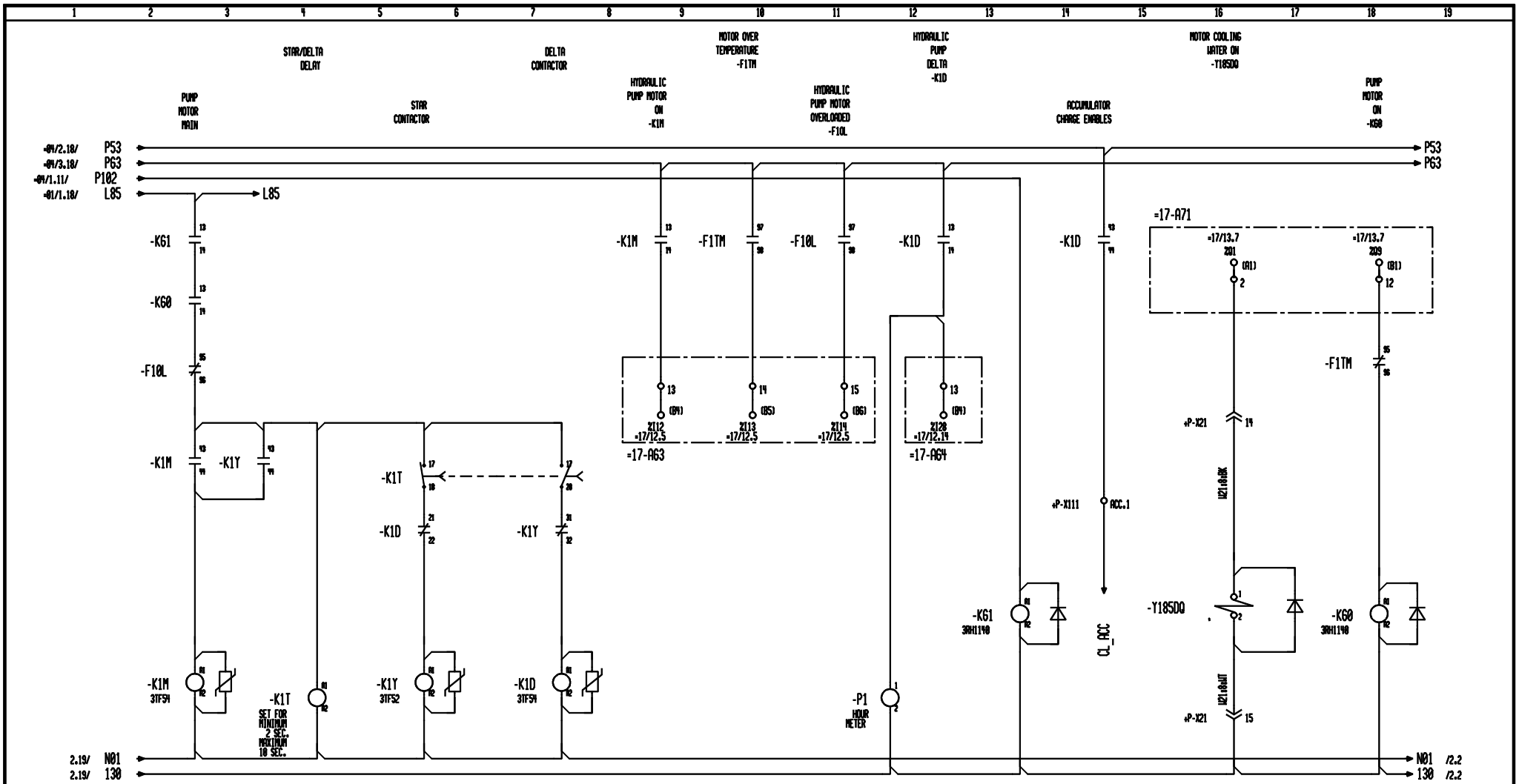
Revision	Date	Name				
			Revised	29.May.2001	KDE	
			Created by		MPR	
V8			Approved			
			Engineer			

HUSKY

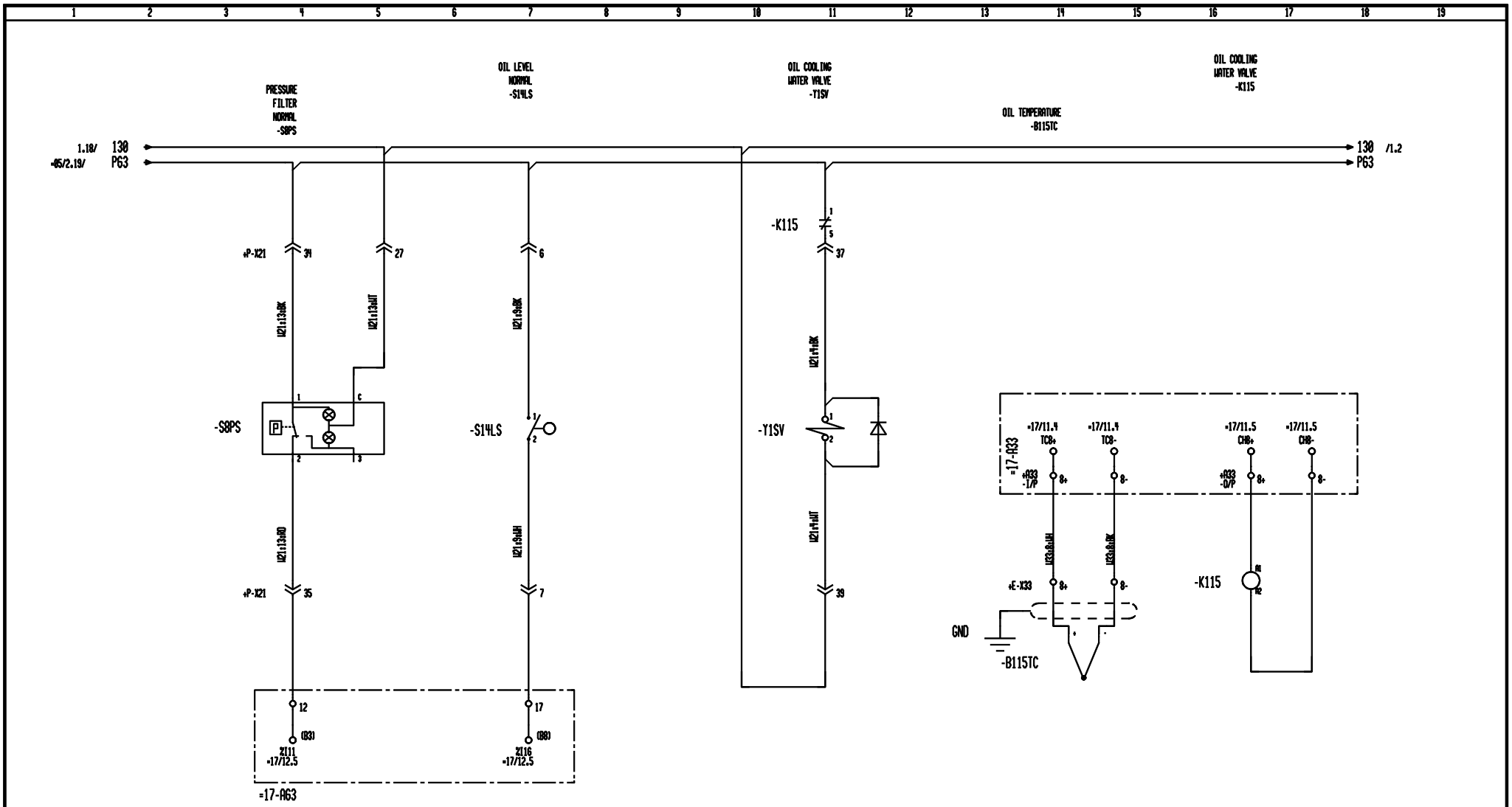
Machine Model: GL300PET P100/110 E120

Description: PUMP MOTOR CONNECTIONS
WYE-DELTA START
TROPICAL

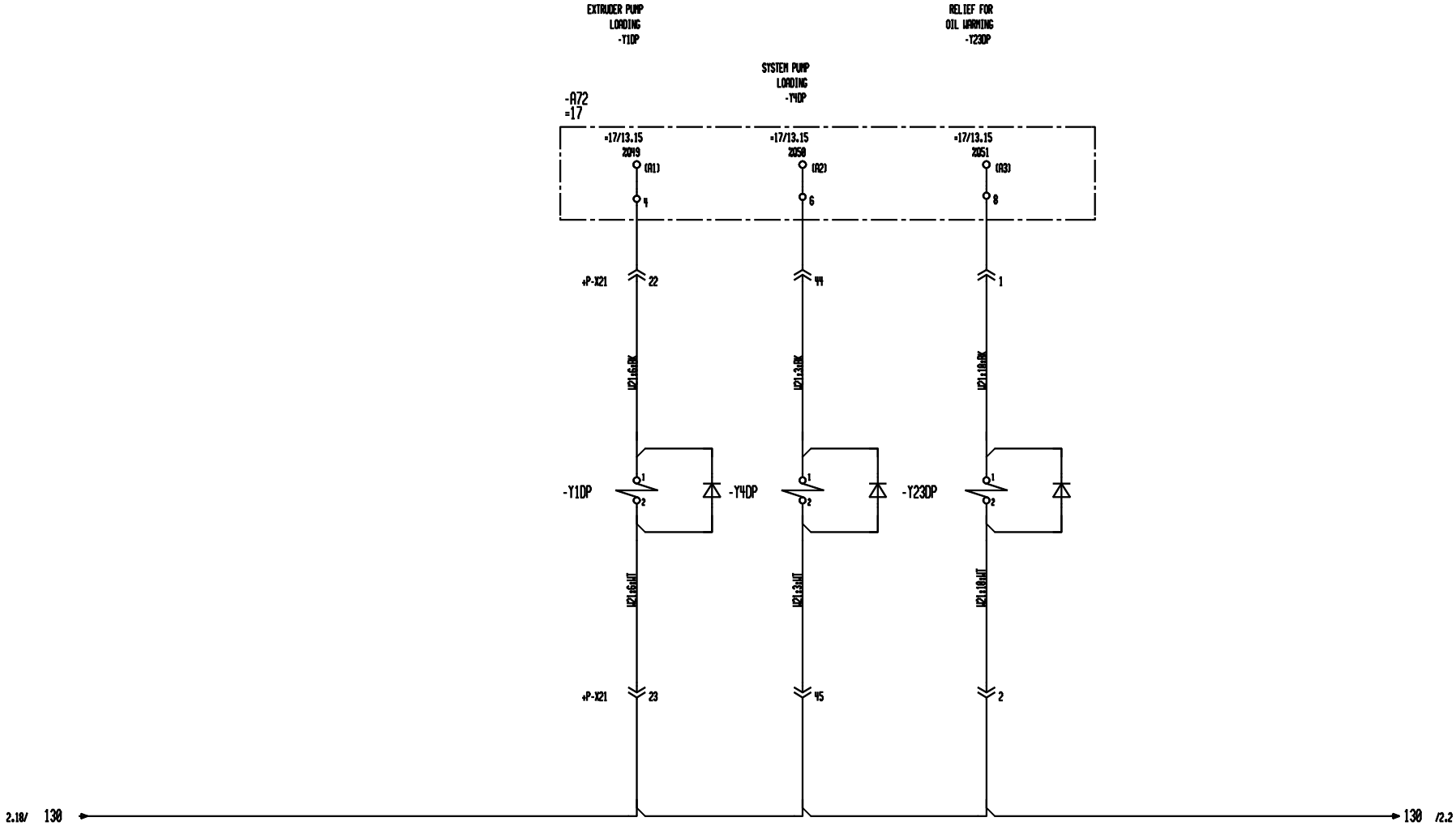
PROJECT	226764	- 05	
MACHINE	2376769	05-01-2-R00	
DRAWING NO.	2385717A	Sheet 1	Total 2



			Revised	29.May.2001	KBE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: PUMP MOTOR CONTROLS WYE-DELTA CK CONTACTORS	PROJECT 226764 · 05
			Created by		MPR				ARCHIVE 2376769 · 05-02-0-A00
V8			Approved						DRAWING NO. 2385717A · Sheet 2 · Total 2
Revision	Date	Name	Engineer						



			Revised	29.May.2001	KOE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: OIL MONITORING OIL LEVEL/FILTER NORMAL OIL TEMPERATURE	PROJECT 226764	- 06
			Created by		MPR				MACHINE 2376769	06-01-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 1 / Total 6
Revision	Date	Name	Engineer							



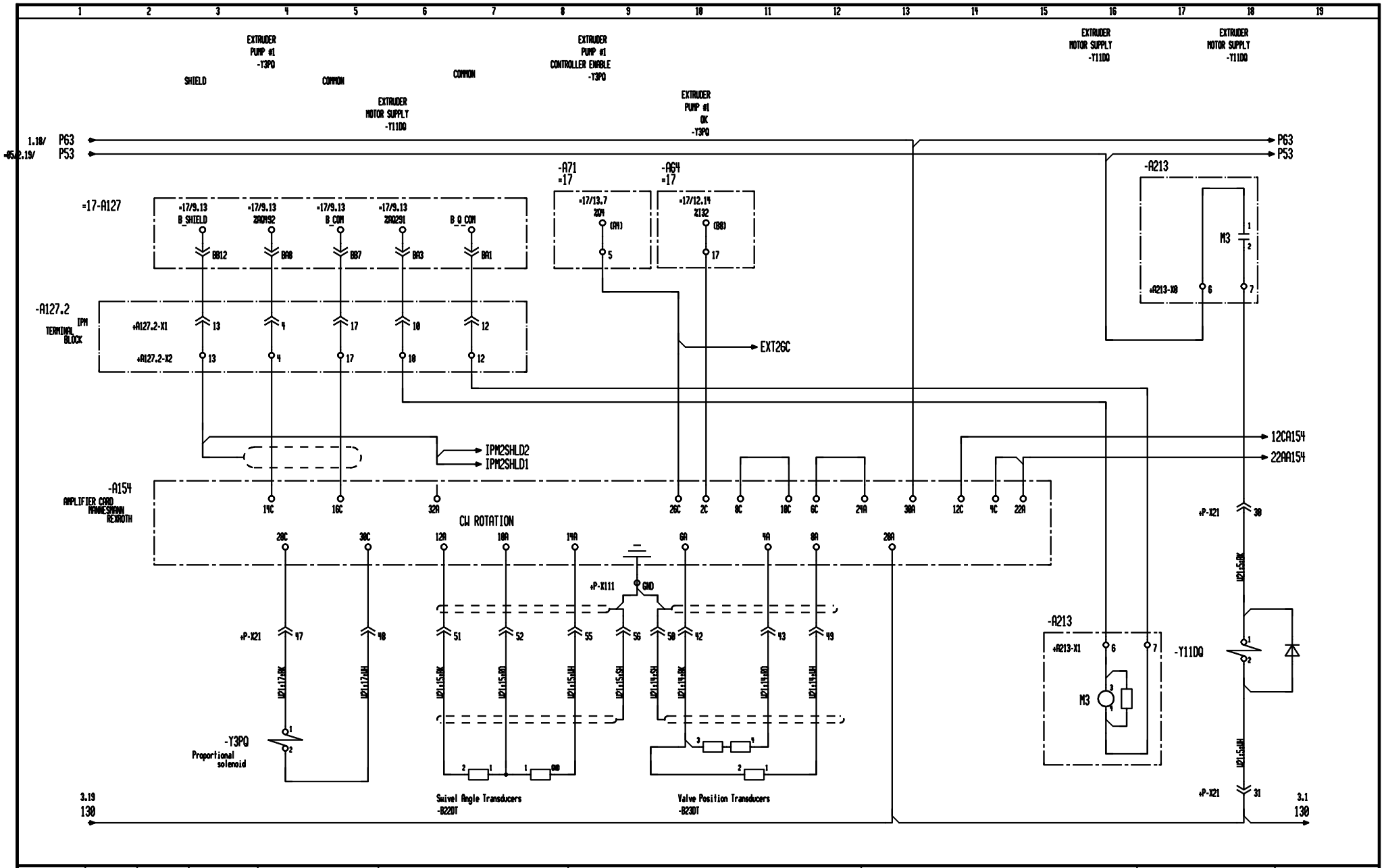
			Revised	21.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

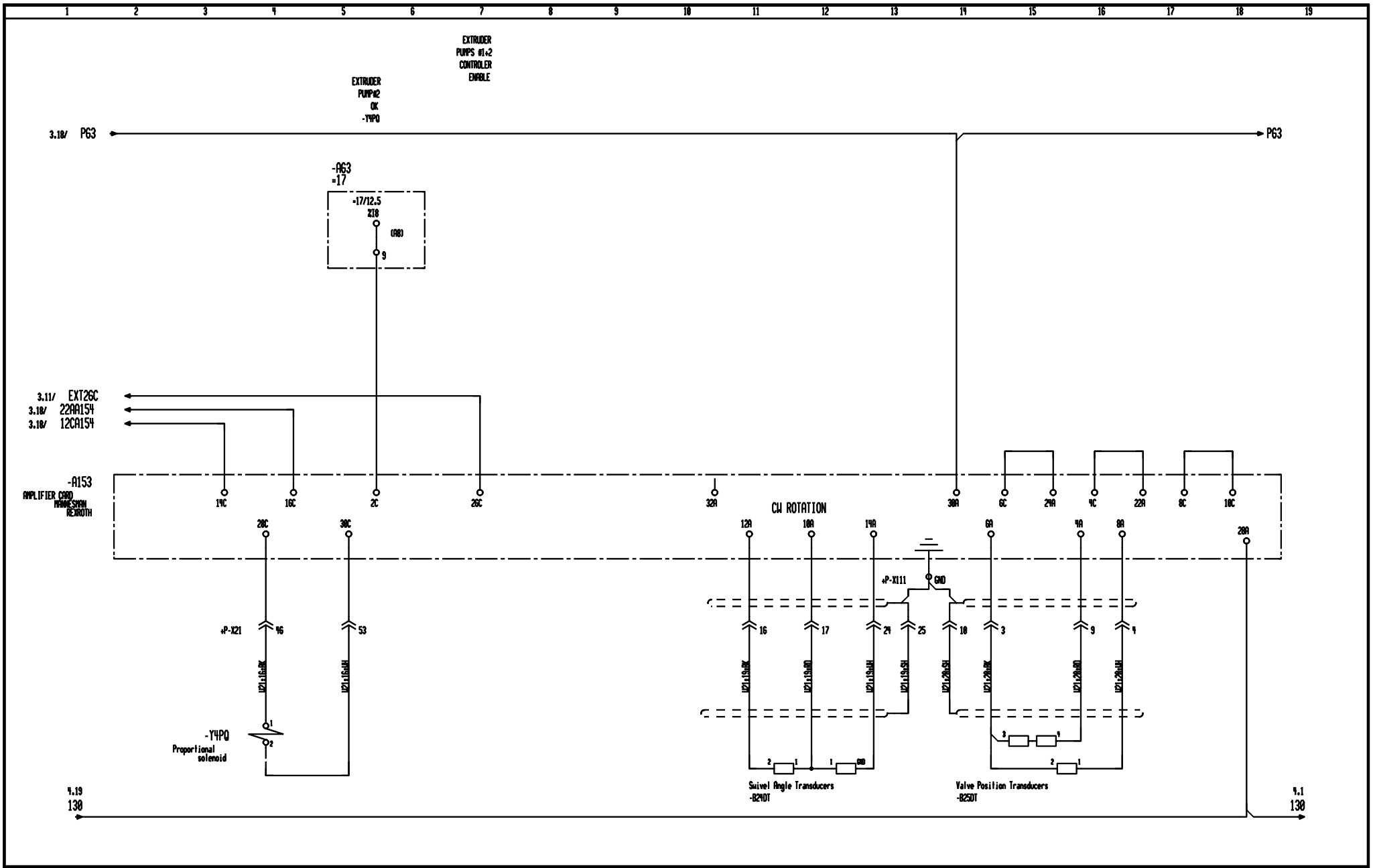
Description: HYDRAULIC POWER UNIT
DIGITAL OUTPUTS

PROJECT	226764	- 06	
MACHINE	2376769	06-02-0-R00	
DRAWING NO.	2385717A	Sheet 2	Total 6



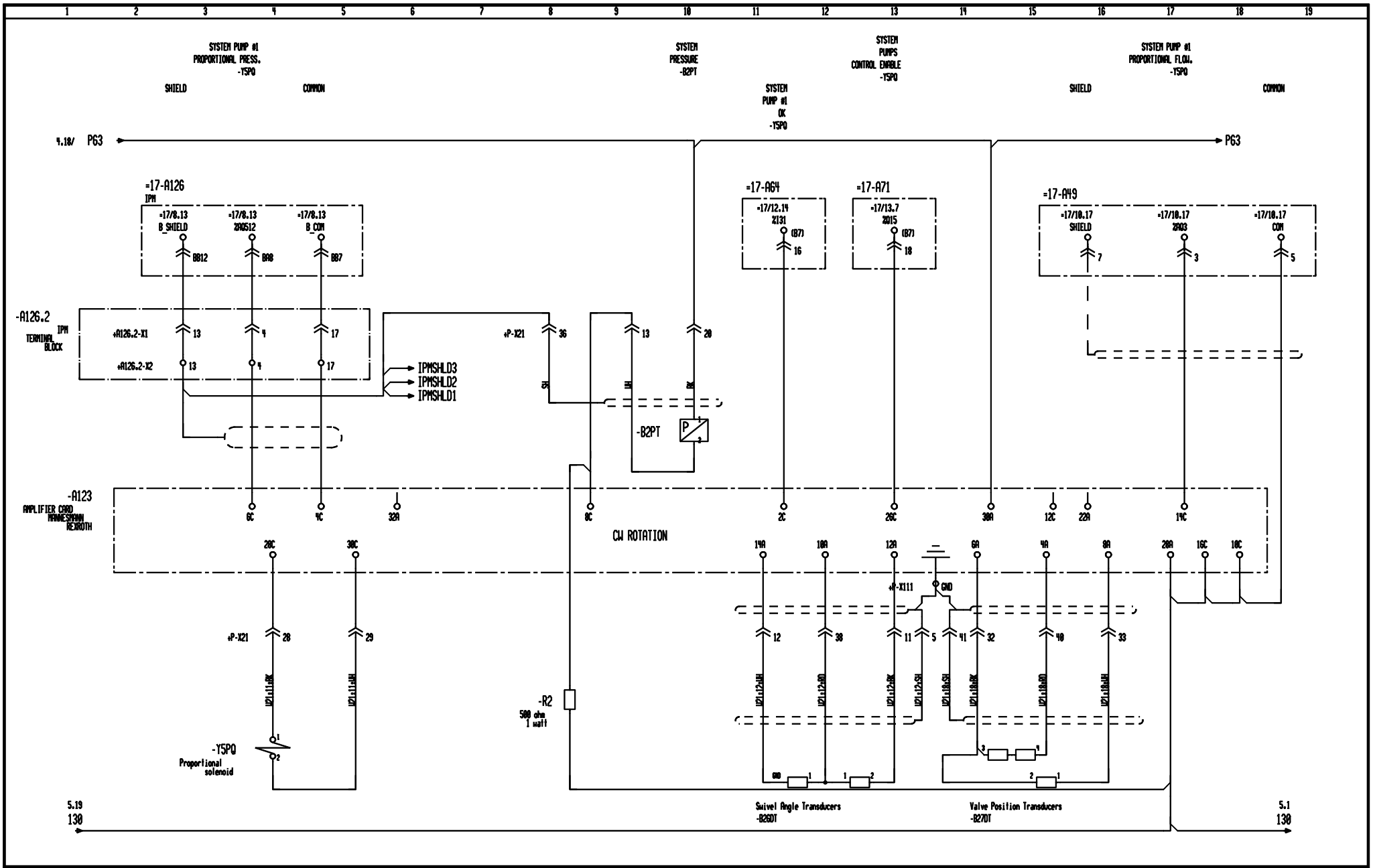
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: EXTRUDER PUMP #1 CW ROTATION W/ PUMP #2
			Created by		MPR			
V8			Approved					
Revision	Date	Name	Engineer					

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
- 06	
06-03-3-A00	
Sheet 3	Total 6



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: EXTRUDER PUMP #2 CW ROTATION
			Created by		MPR			
V8			Approved					
Revision	Date	Name	Engineer					

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
- 06	
06-04-3-A00	
Sheet 4	Total 6



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SYSTEM PUMP #1 CW ROTATION W/O #2
			Created by		MPR			
V8			Approved					
Revision	Date	Name	Engineer					

PROJECT	226764	- 06	
MACHINE	2376769	06-05-1-R00	
DRAWING NO.	2385717A	Sheet 5	Total 6

THIS PAGE INTENTIONALLY LEFT BLANK

			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

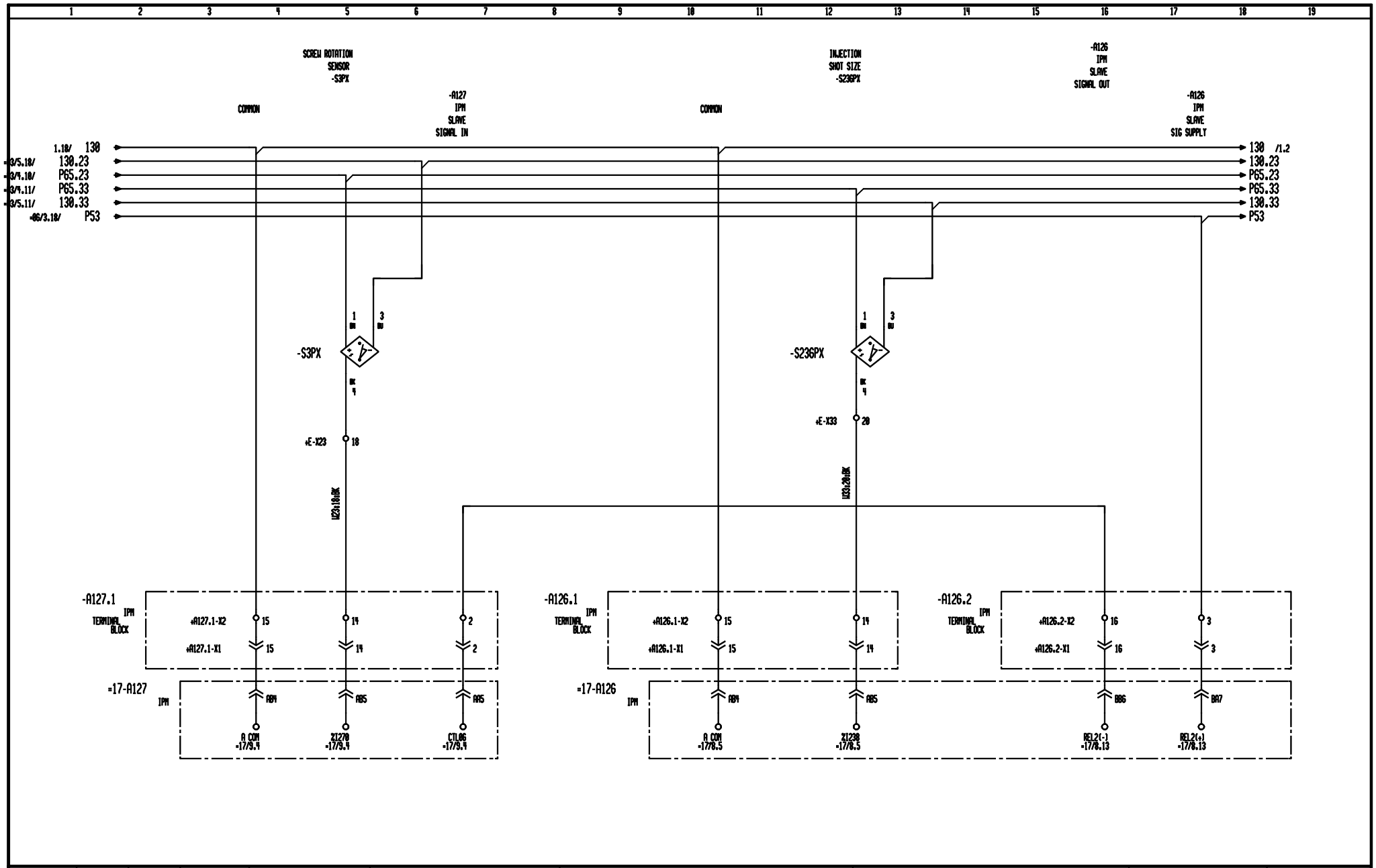
Description: SYSTEM PUMP #2 (BLANK PAGE)

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A

- 06

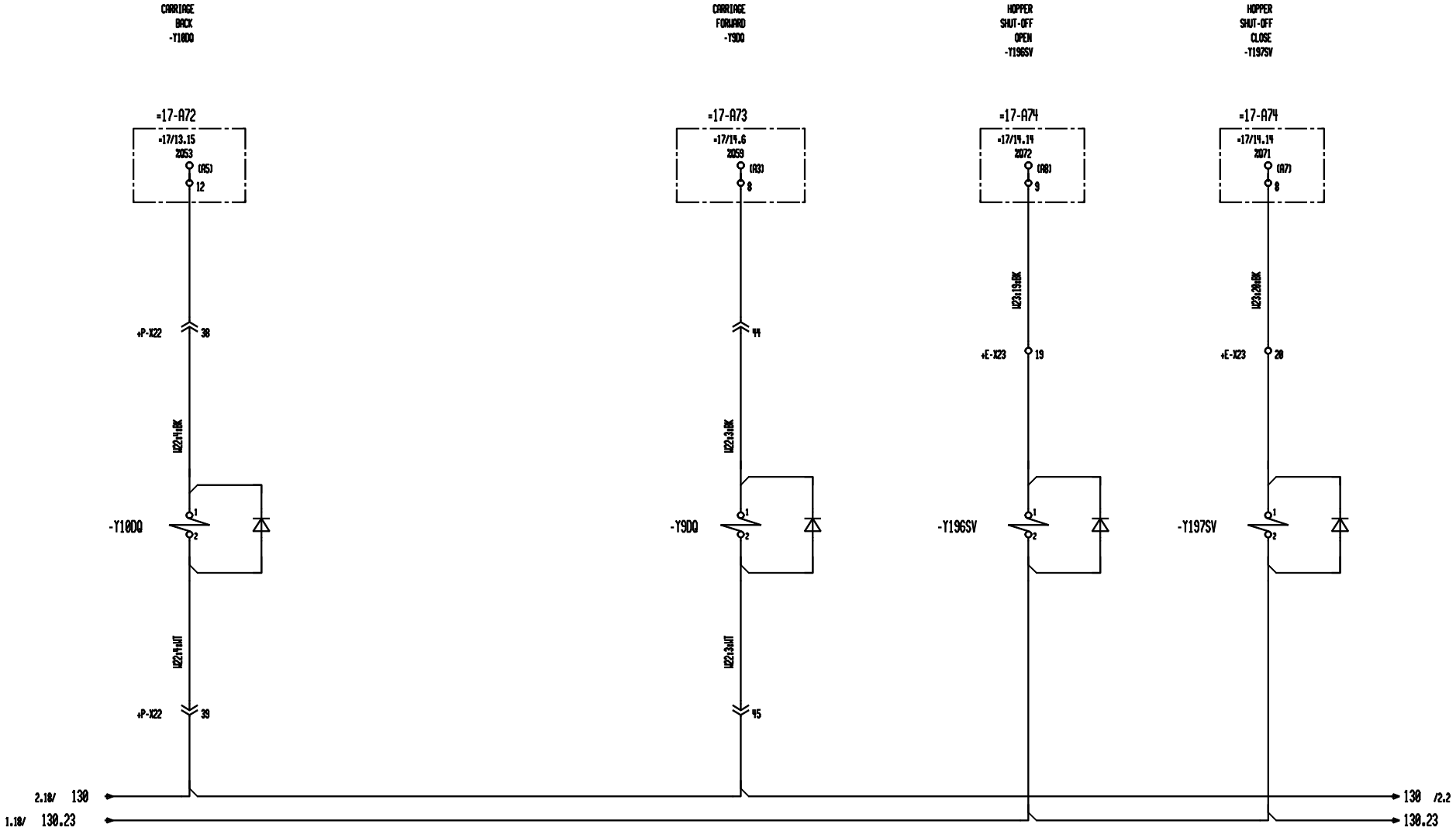
06-06-1-R00

Sheet 6 Total 6

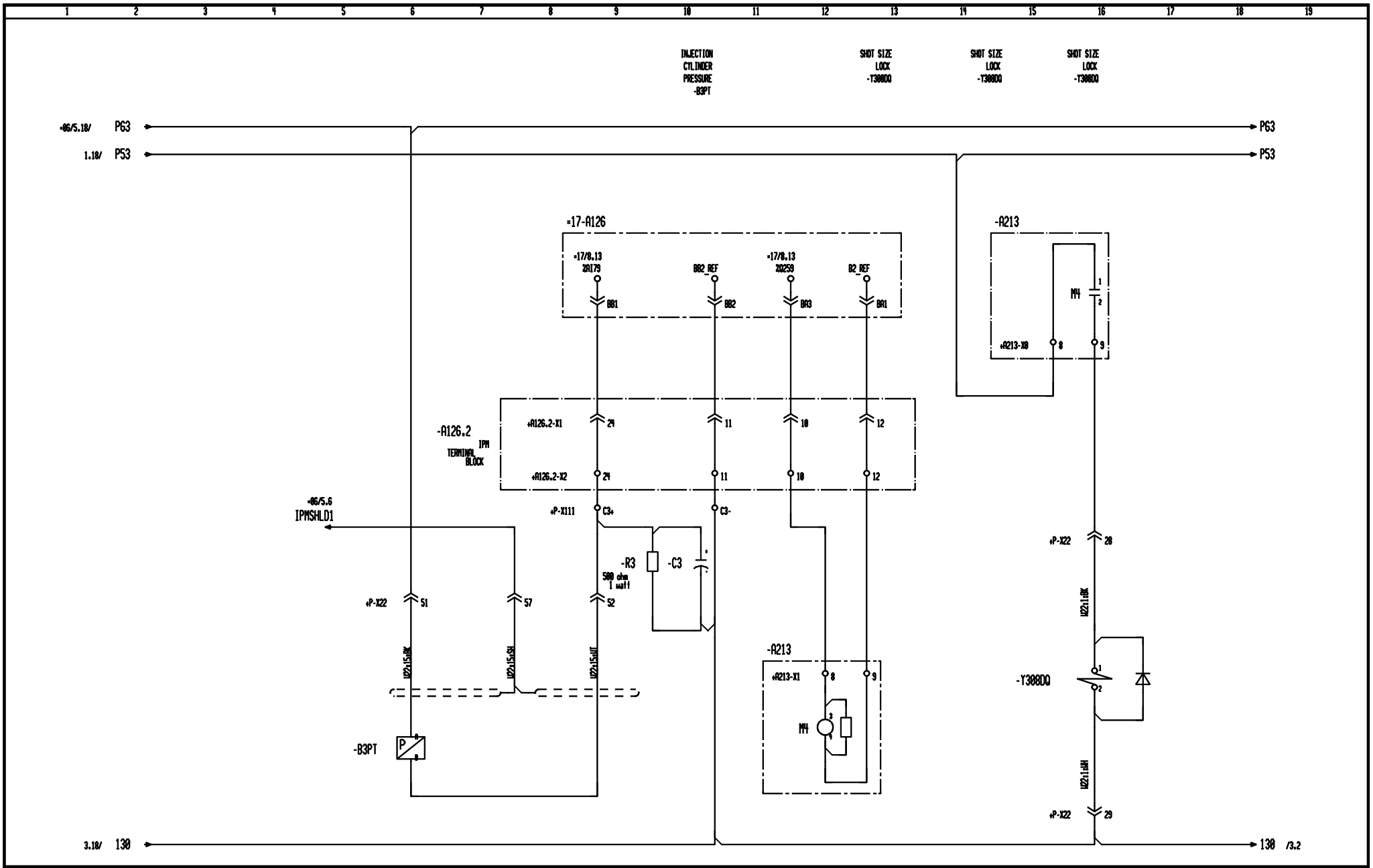


			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SCREW ROTATION & SHOT SIZE INPUTS
			Created by		MPR			
V8			Approved					
Revision	Date	Name	Engineer					

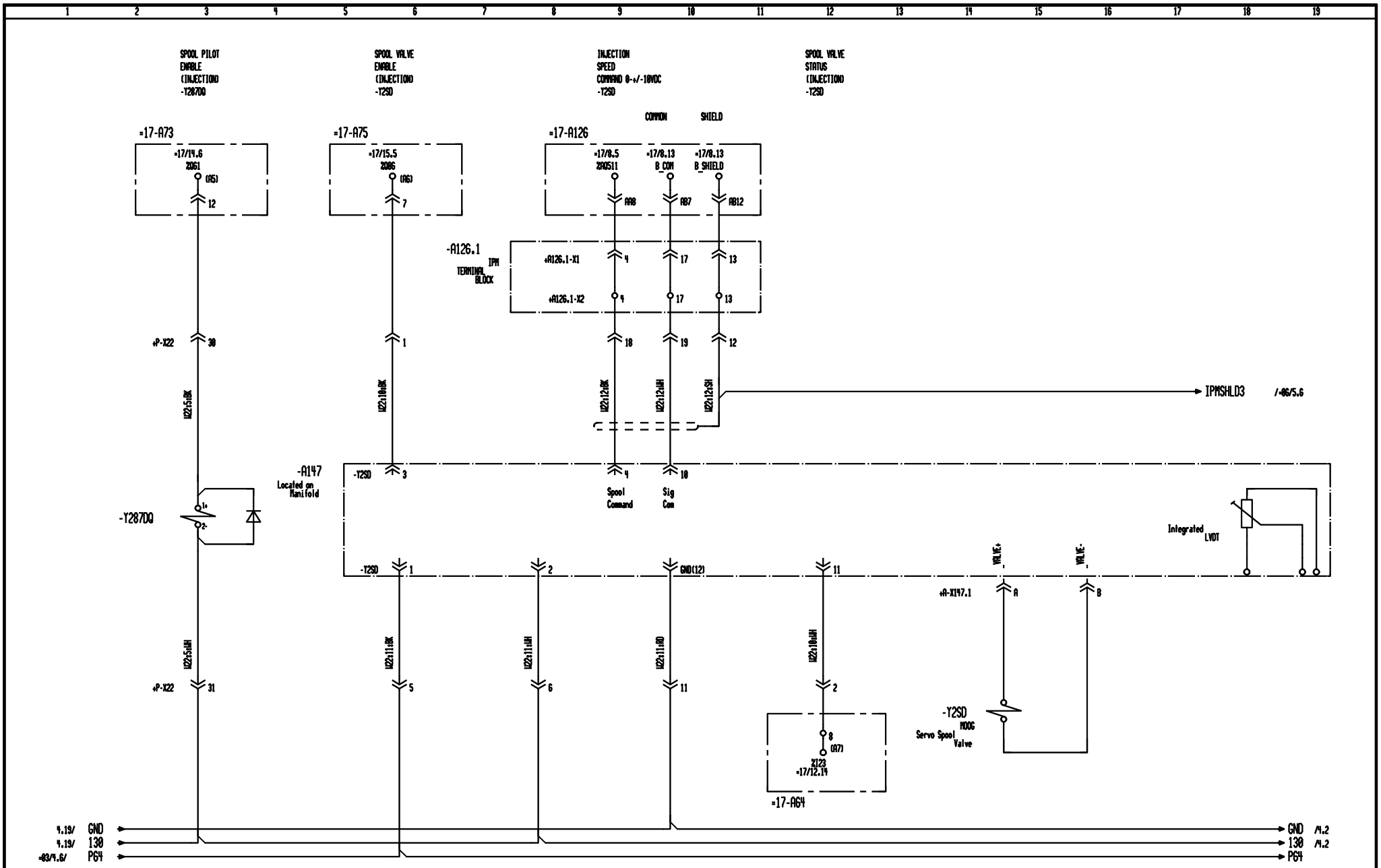
PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
= 07	
07-01-0-R00	
Sheet 1	Total 8



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: EXTRUDER CONTROLS	PROJECT 226764	- 07
			Created by		MPR				MACHINE 2376769	07-02-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 2 / Total 8
Revision	Date	Name	Engineer							



			Revised	29.May.2001	KDE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: INJECTION PRESSURE CONTROL	PROJECT 226764	= 07
			Created by		MPR				ARCHIVE 2376769	07-03-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 8
Revision	Date	Name	Engineer							



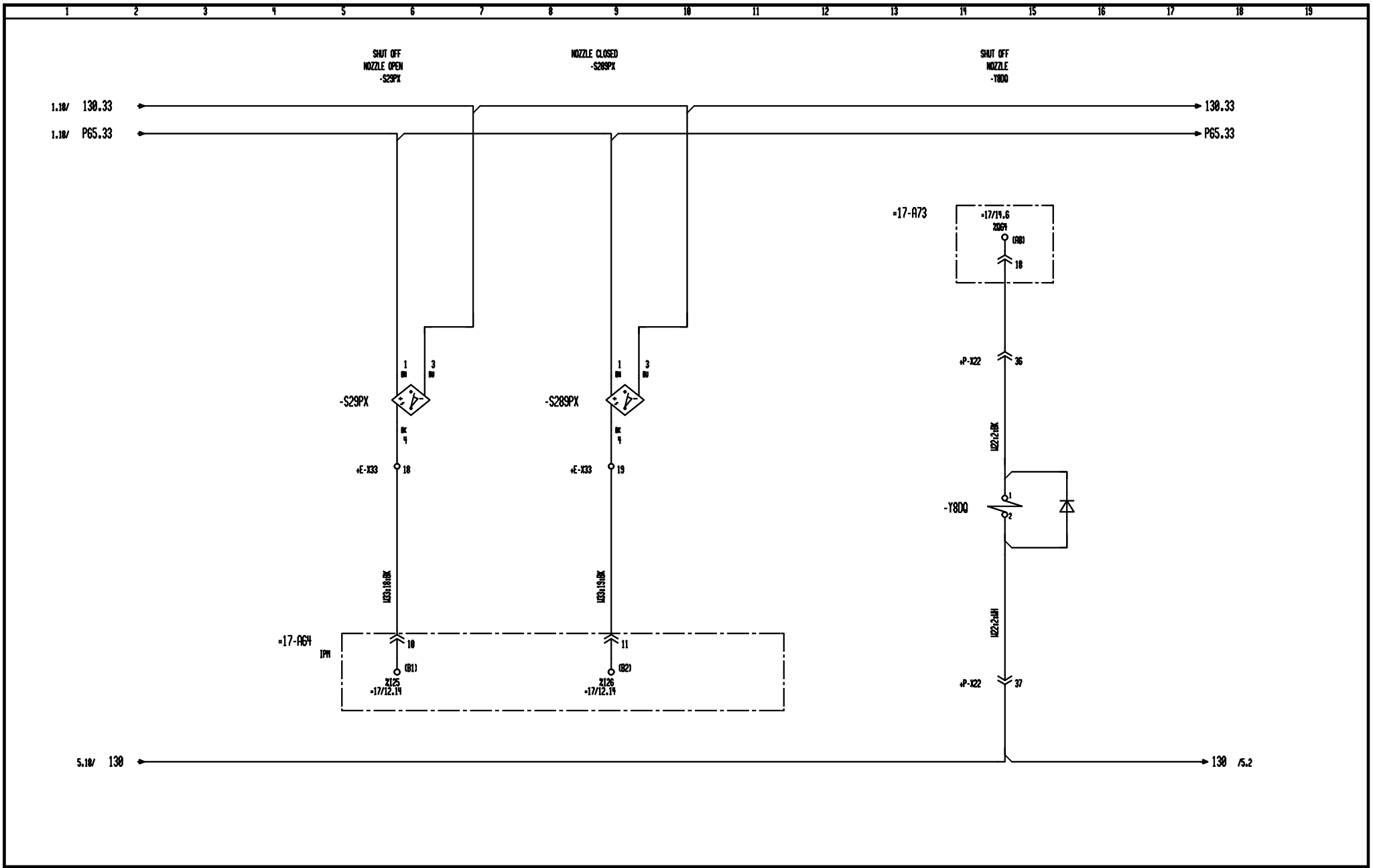
			Revised	21.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

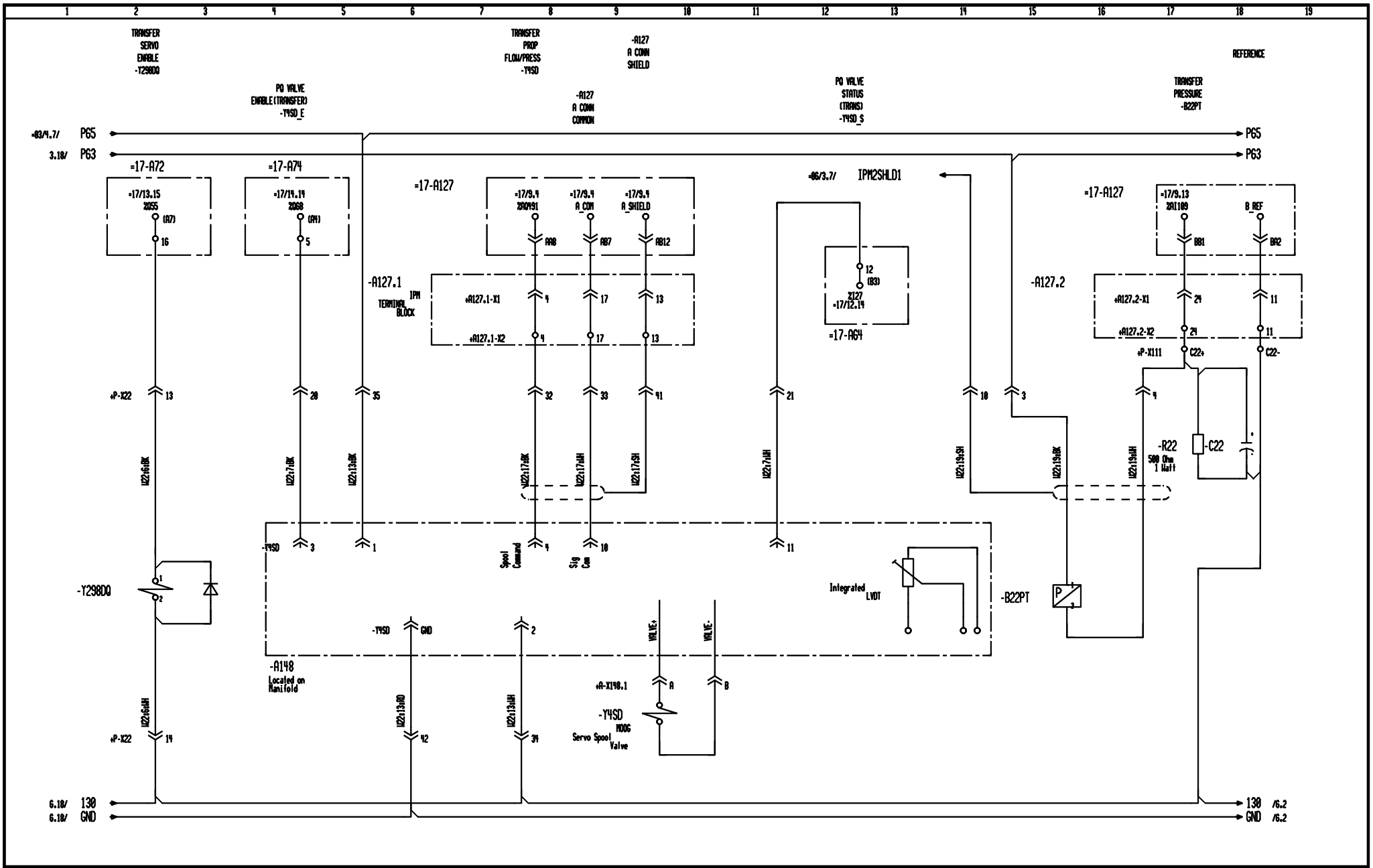
Machine Model: GL300PET P100/110 E120

Description: INJECTION SERVO SPOOL VALVE CONTROLS

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
	- 07
	07-01-0-R00
Sheet	4
Total	8



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SHUTOFF NOZZLE CONTROLS	PROJECT 226764	- 07
			Created by		MPR				MACHINE 2376769	07-05-8-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 5 / Total 8
Revision	Date	Name	Engineer							



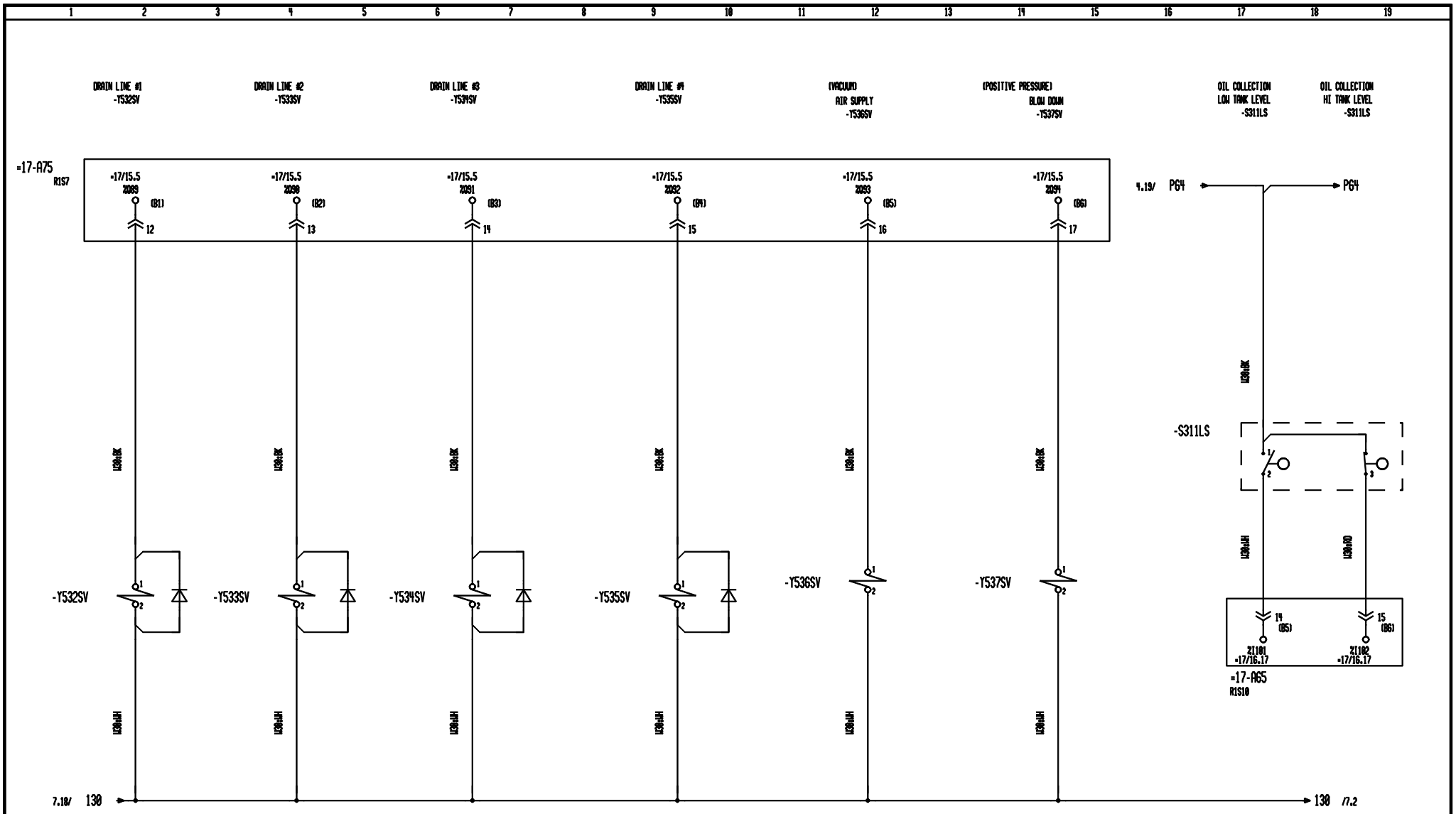
			Revised	21.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

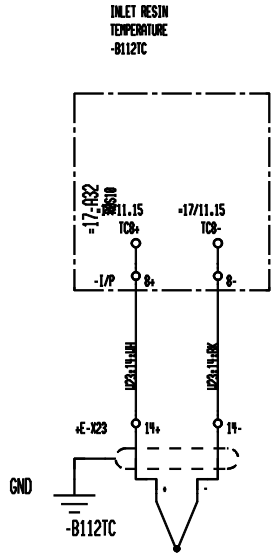
Machine Model: GL300PET P100/110 E120

Description: TRANSFER SERVO SPOOL VALVE CONTROLS

PROJECT	226764	- 07
MACHINE	2376769	07-06-0-R00
DRAWING NO.	2385717A	Sheet 6 / Total 8



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: OIL COLLECTION CONTROLS	PROJECT 226764	= 07
			Created by		MPR				MACHINE 2376769	07-07-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 7 / Total 8
Revision	Date	Name	Engineer							



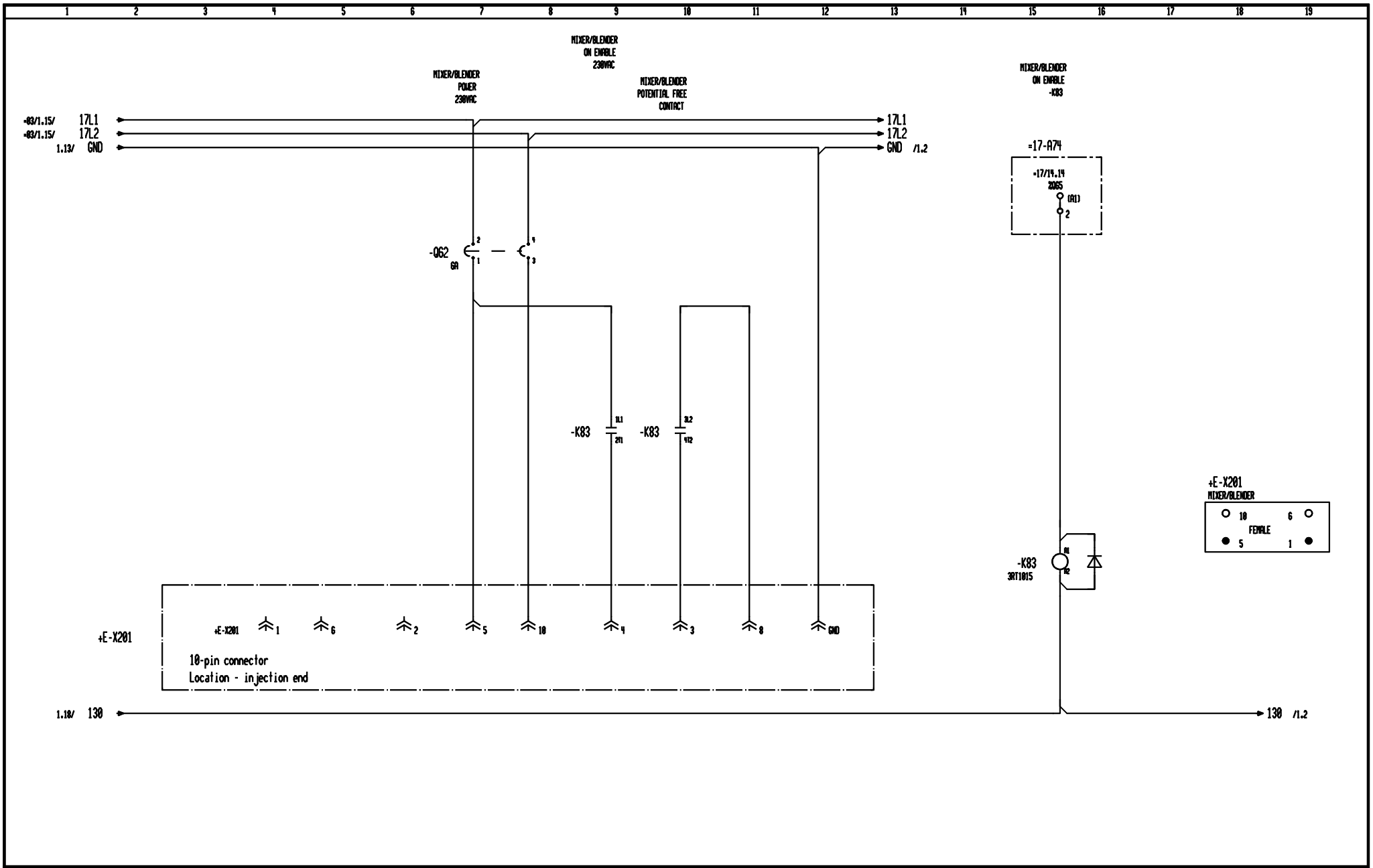
			Revised	20.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

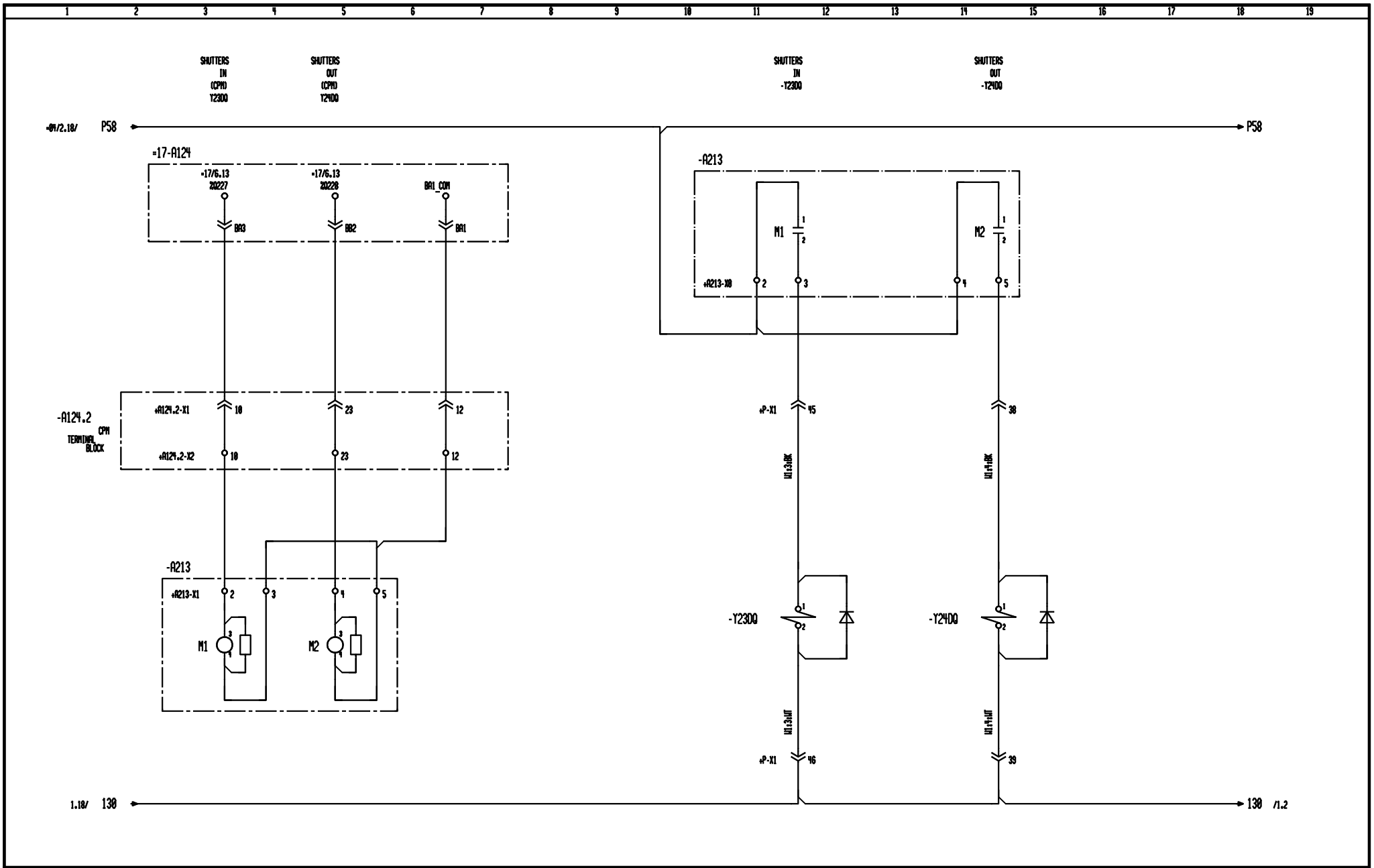
Machine Model: GL300PET P100/110 E120

Description: INLET RESIN TEMPERATURE MONITORING

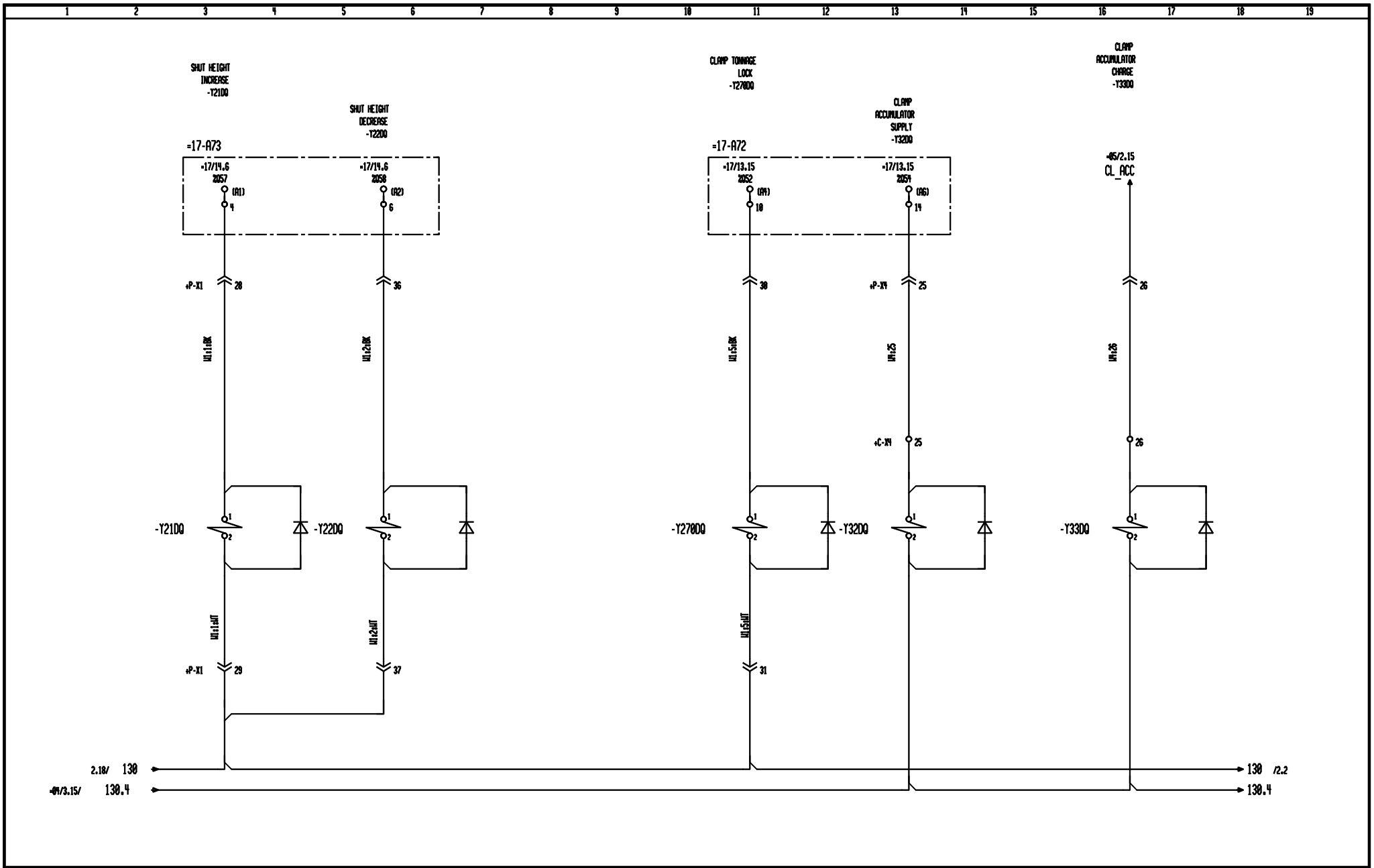
PROJECT	226764	= 07	
MACHINE	2376769	07-08-0-R00	
DRAWING NO.	2385717A	Sheet 8	Total 8



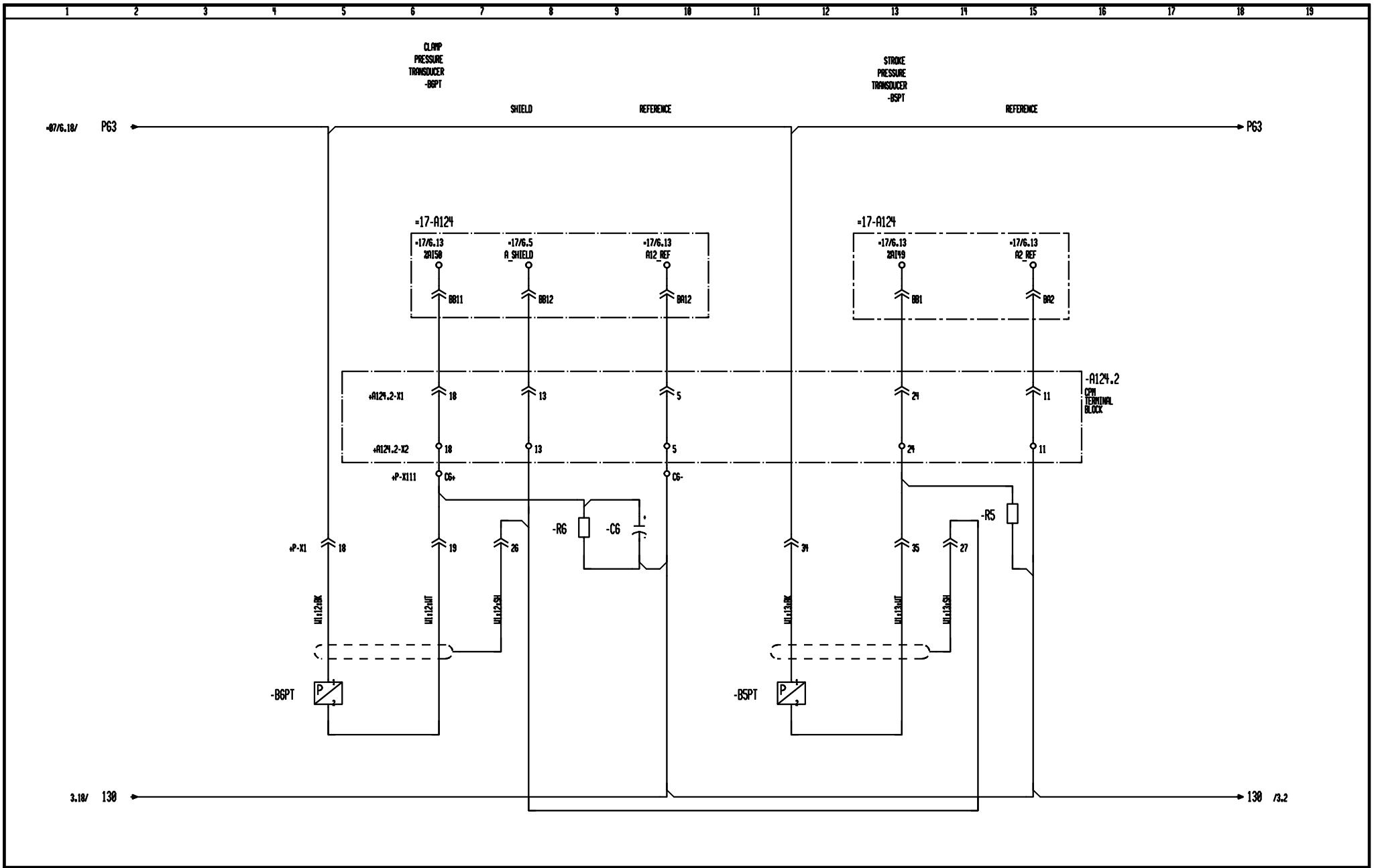
			Revised	29.May.2001	KOE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: MIX/BLENDER OUTLET 230V	PROJECT 226764	- 08
			Created by		KPR				MACHINE 2376769	SPECIAL
V8			Approved						DRAWING NO. 2385717A	Sheet 1 / Total 1
Revision	Date	Name	Engineer							



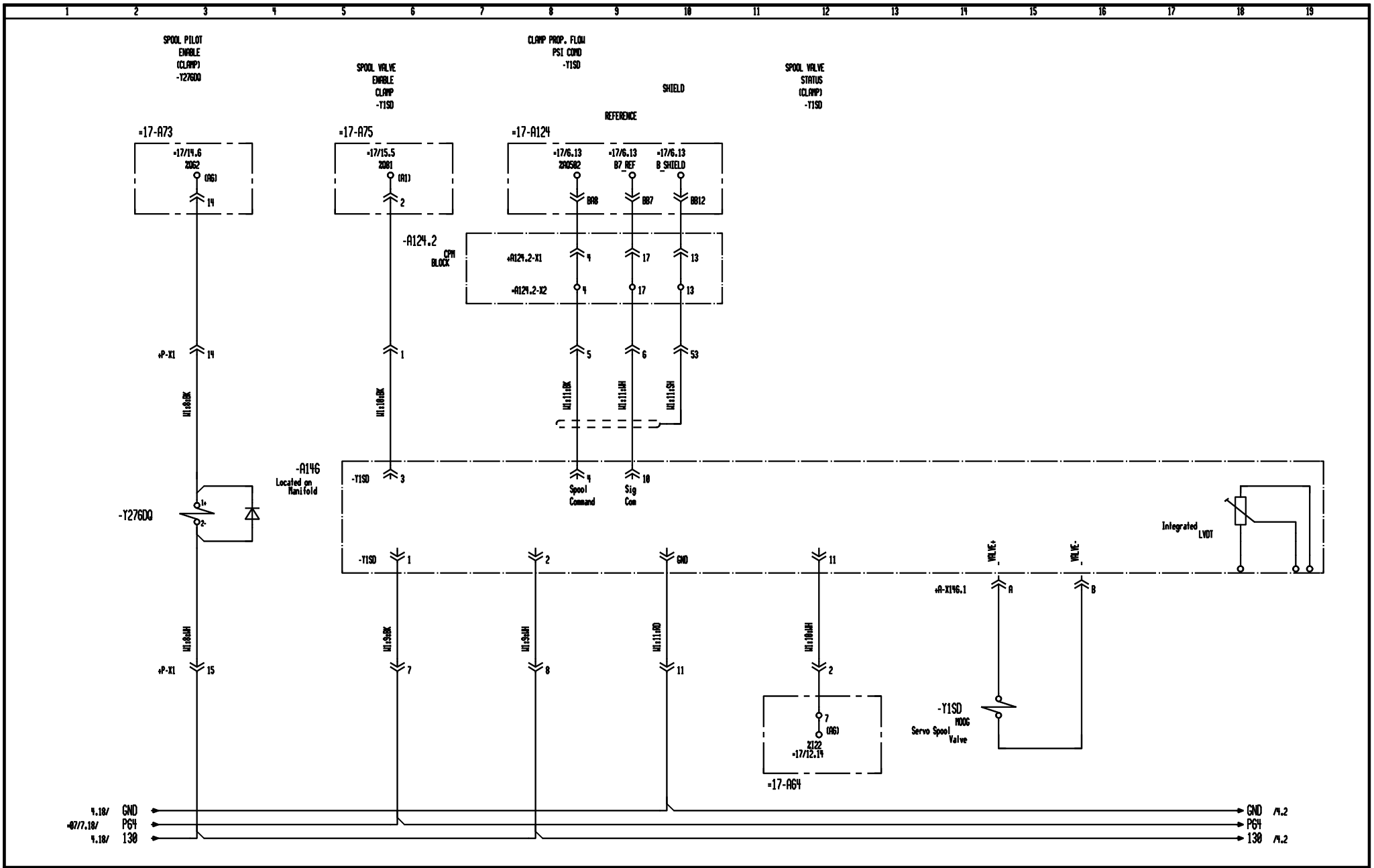
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SHUTTER DIGITAL OUTPUTS	PROJECT 226764	- 09
			Created by		MPR				ARCHIVE 2376769	09-01-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 1 / Total 7
Revision	Date	Name	Engineer							



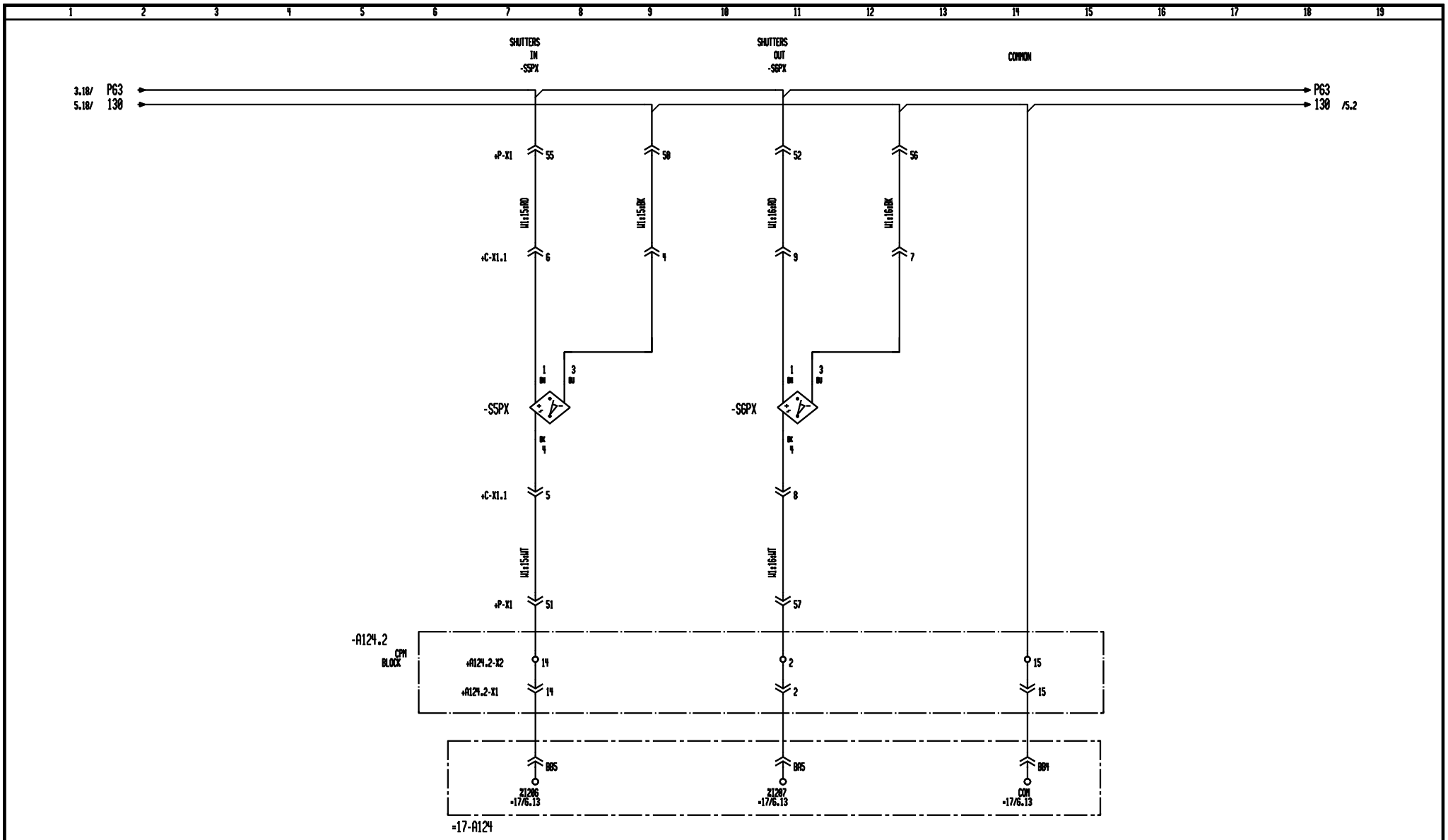
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CLAMP UNIT DIGITAL OUTPUTS	PROJECT 226764	- 09
			Created by		MPR				MACHINE 2376769	09-02-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 2 / Total 7
Revision	Date	Name	Engineer							



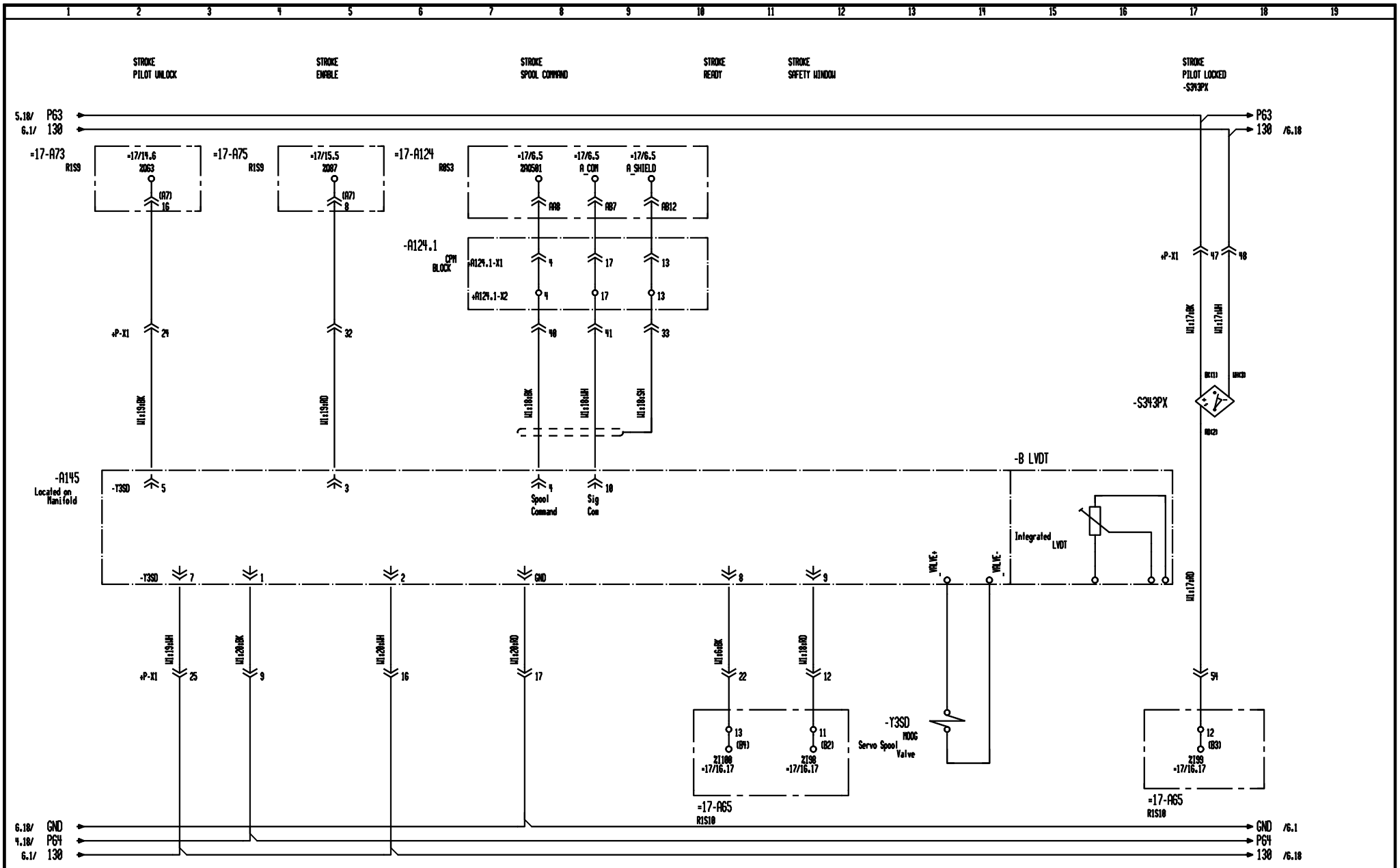
			Revised	29.May.2001	KDE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CLAMP / STROKE PRESSURE TRANSDUCERS	PROJECT 226764	- 09
			Created by		KPR				DRAWING 2376769	09-03-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 7
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CLAMP SERVO SPOOL VALVE CONTROLS	PROJECT 226764	- 09
			Created by		MPR				ARCHIVE 2376769	09-01-0-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 4 / Total 7
Revision	Date	Name	Engineer							

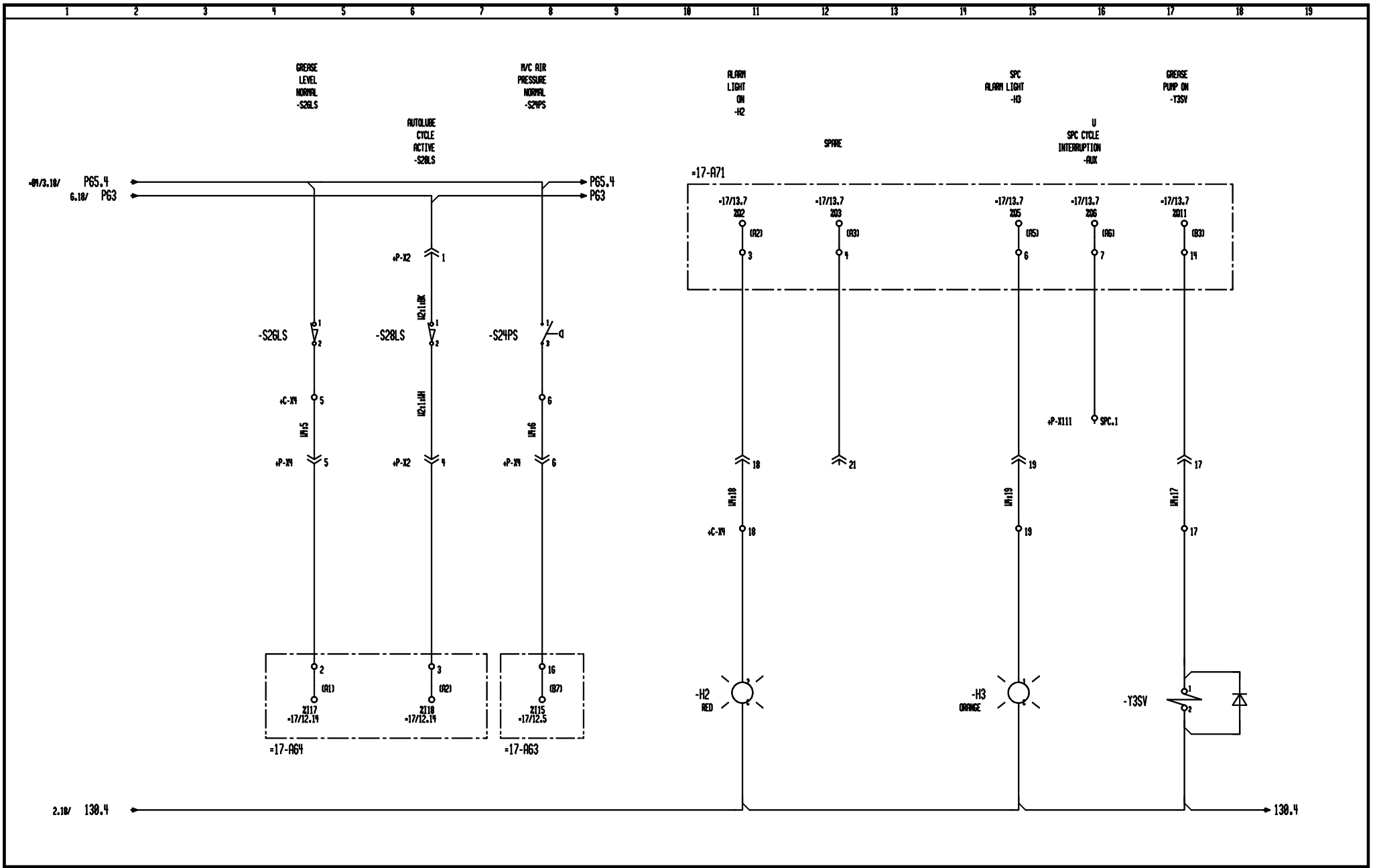


			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: SHUTTER DIGITAL INPUTS	PROJECT 226764	- 09
			Created by		MPR				MACHINE 2376769	09-05-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 5 / Total 7
Revision	Date	Name	Engineer							

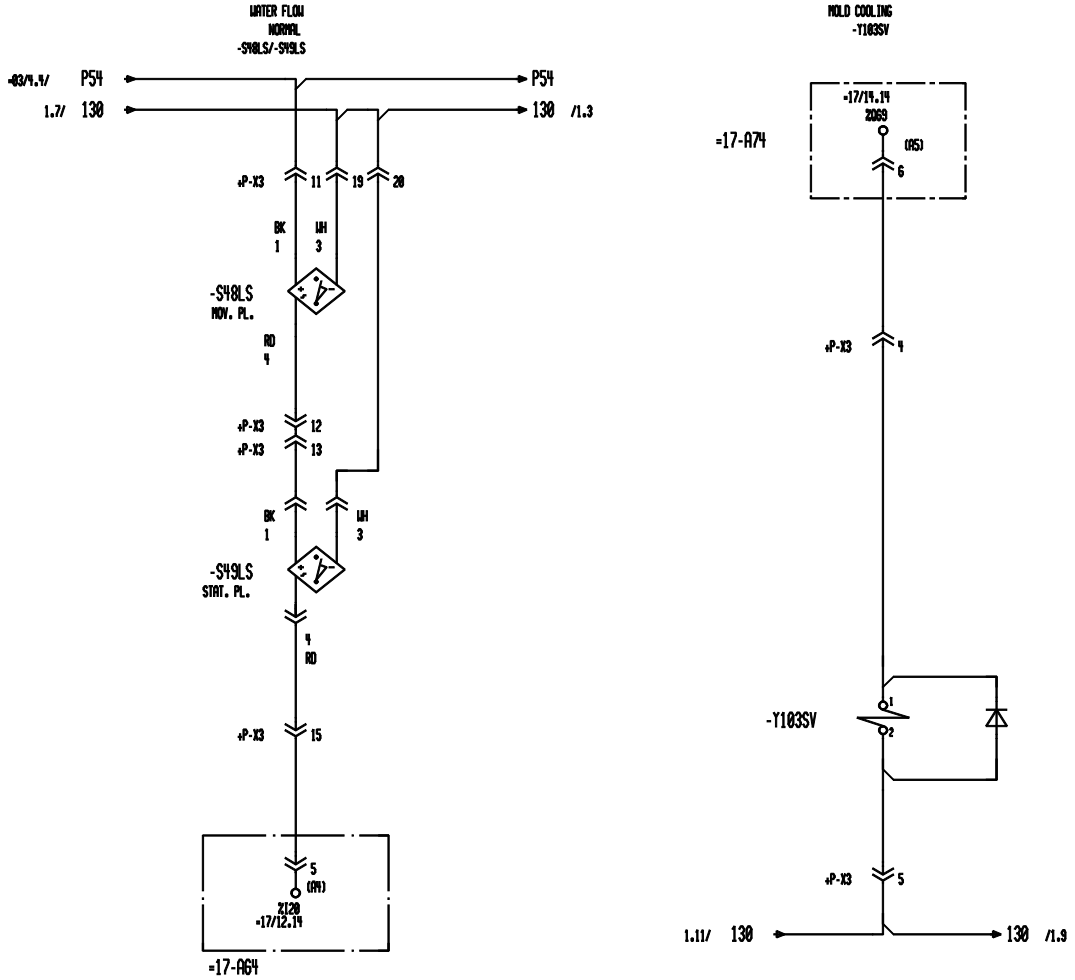


			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CLAMP CONTROLS GPET MOLD STROKE SERVO VALVE -Y3SD
			Created by		MPR			
V2			Approved					
Revision	Date	Name	Engineer					

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
	- 09
	09-06-2-R00
Sheet	6
Total	7



			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CLAMP GREASE/LUBE/AIR SPC, NO AUD. ALARM	PROJECT 226764 · 09
			Created by		MPR				MACHINE 2376769 · 09-07-2-R00
V8			Approved						DRAWING NO. 2385717A · Sheet 7 · Total 7
Revision	Date	Name	Engineer						



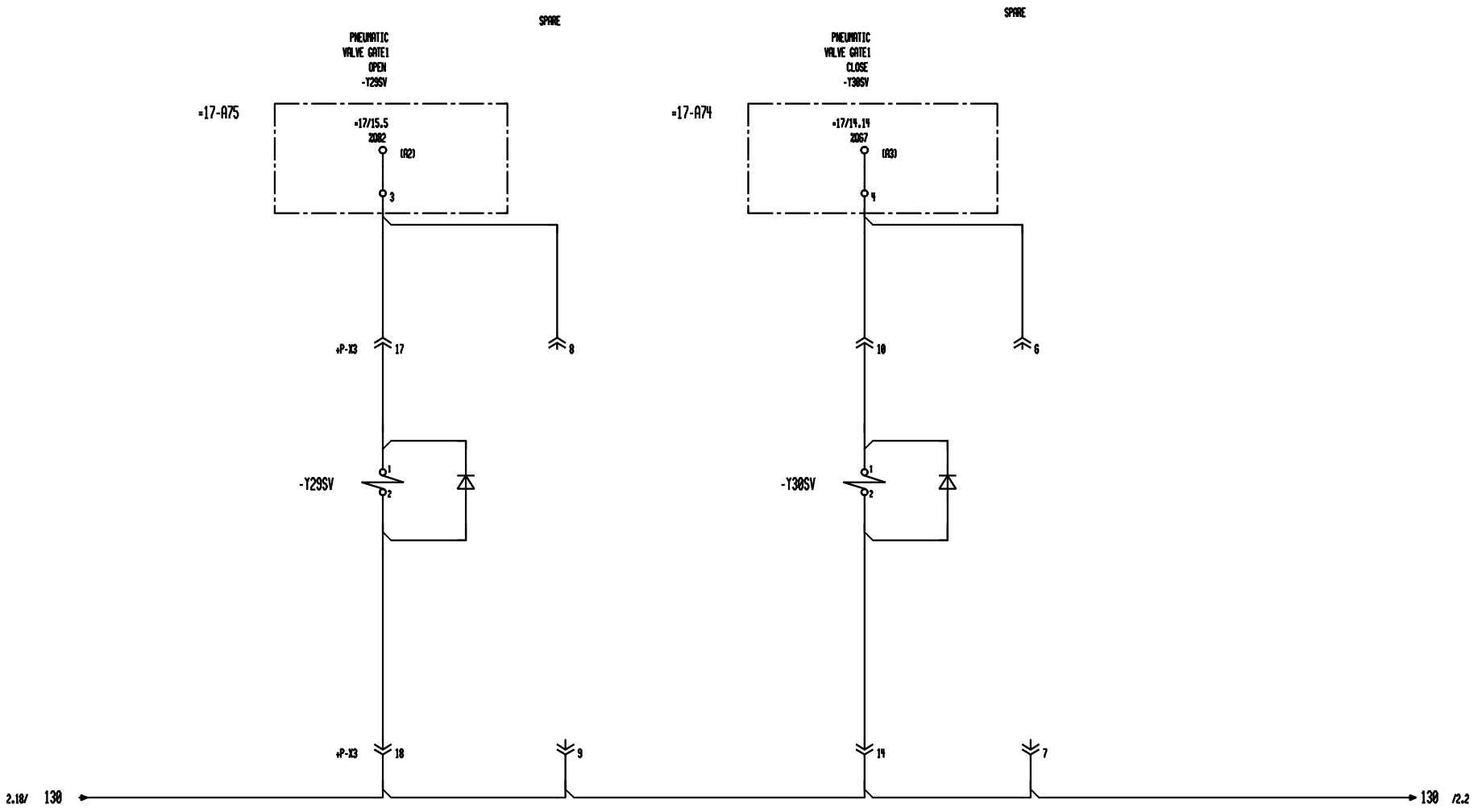
			Revised	21.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

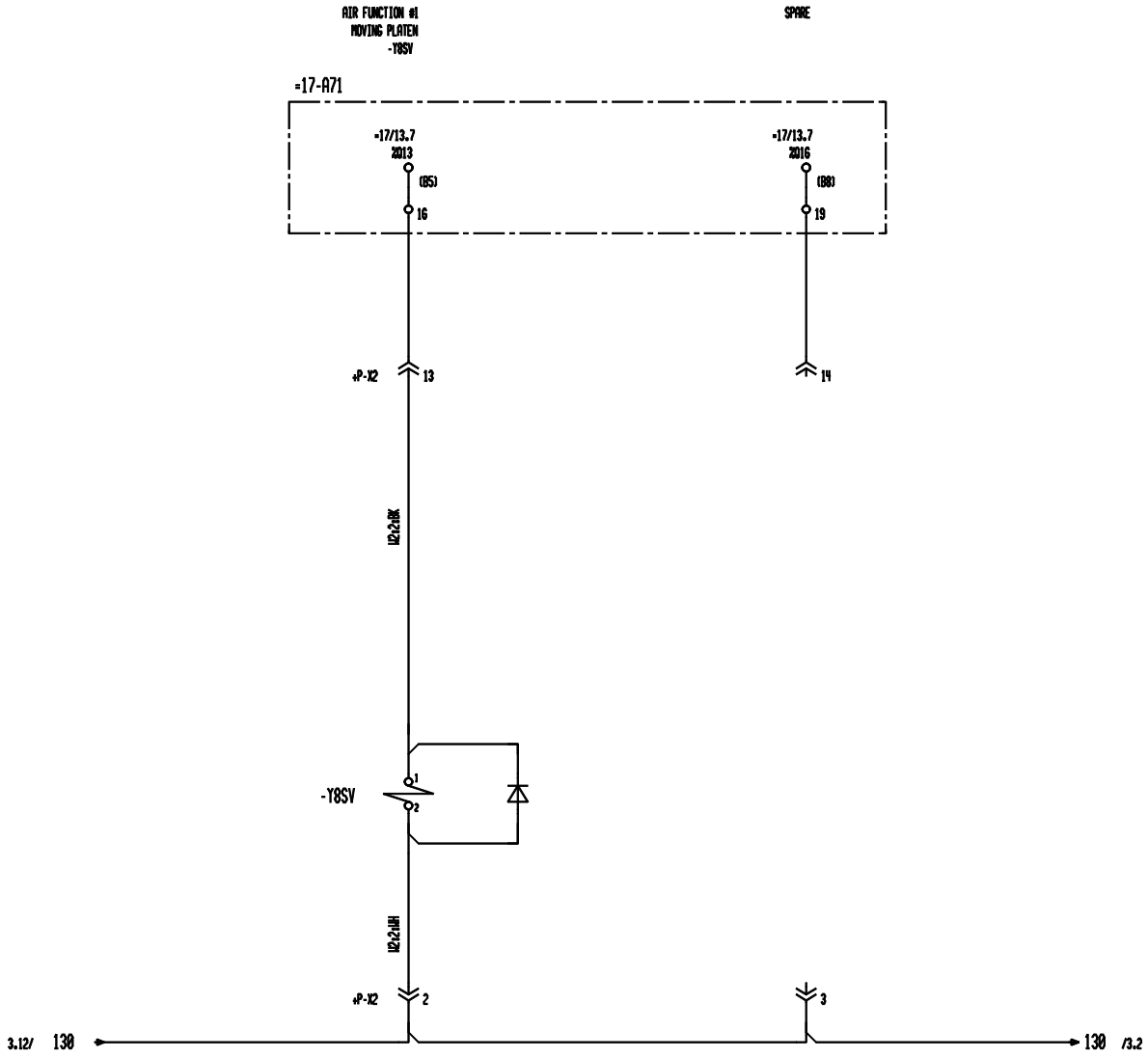
Machine Model: GL300PET P100/110 E120

Description: MOLD COOLING PARALLEL

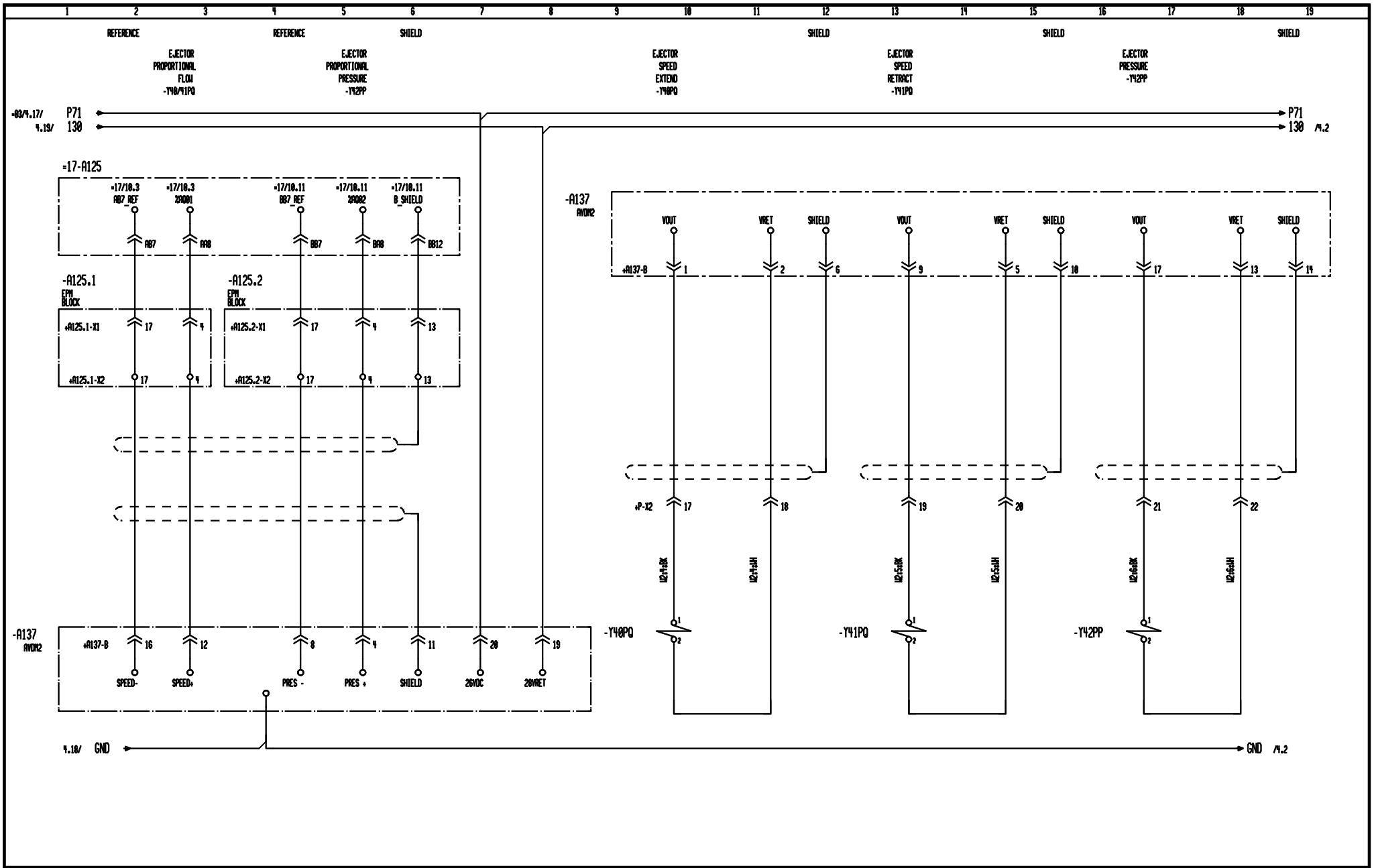
PROJECT	226764	- 10	
MACHINE	2376769	10-01-2-R00	
DRAWING NO.	2385717A	Sheet 1	Total 5



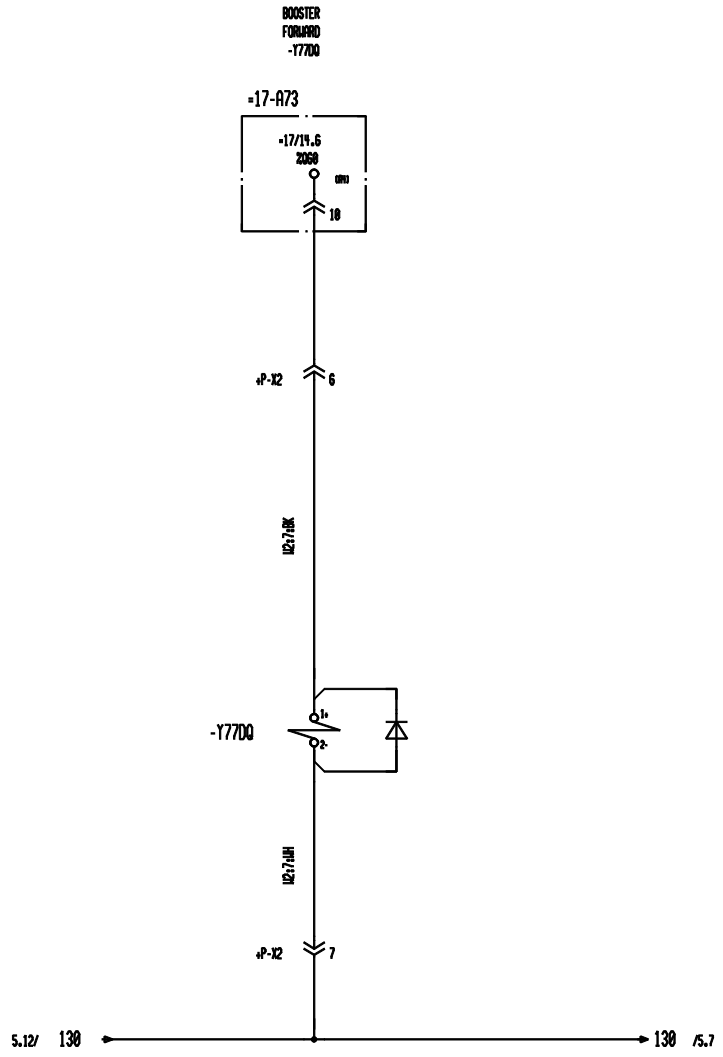
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: VALVE GATE GL225-300	PROJECT 226764	= 10
			Created by		MPR				ARCHIVE 2376769	10-02-1-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 2 / Total 5
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: AIR #1 GL225-300	PROJECT 226764	- 10
			Created by		MPR				MACHINE 2376769	10-03-1-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 5
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: HYDRAULIC EJECTOR	PROJECT 226764	- 10
			Created by		MPR				MACHINE 2376769	10-01-0-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 4 / Total 5
Revision	Date	Name	Engineer							



DIGITAL OUTPUTS

			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: HYDRAULIC EJECTOR BOOSTER	PROJECT 226764	= 10
			Created by		MPR				MACHINE 2376769	10-05-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 5 / Total 5
Revision	Date	Name	Engineer							

THIS PAGE IS INTENTIONALLY LEFT BLANK.

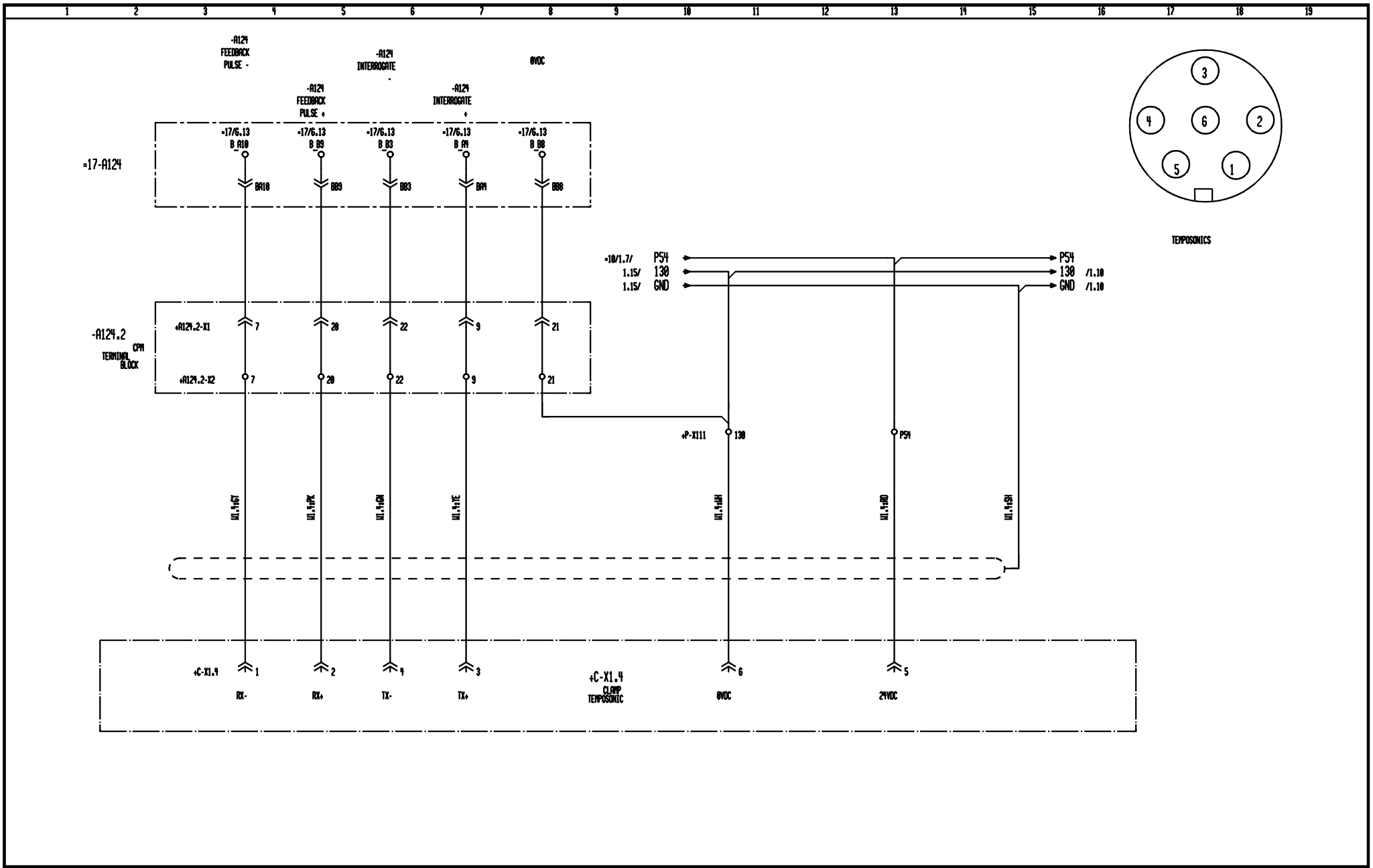
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: BLANK PAGE

PROJECT	226764	- 11	
MACHINE	2376769	11-01-0-R00	
DRAWING NO.	2385717A	Sheet 1	Total 1



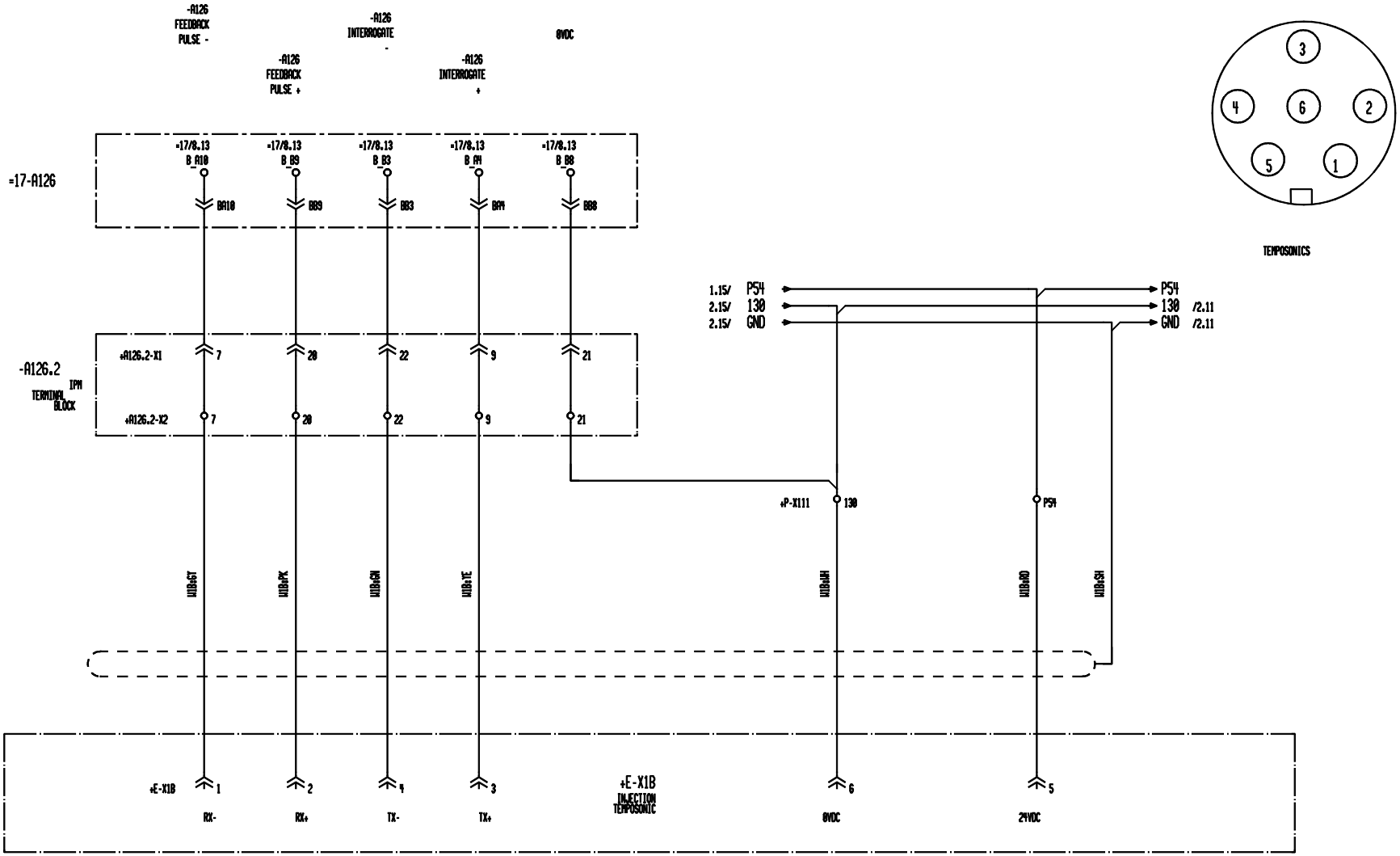
			Revised	21.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

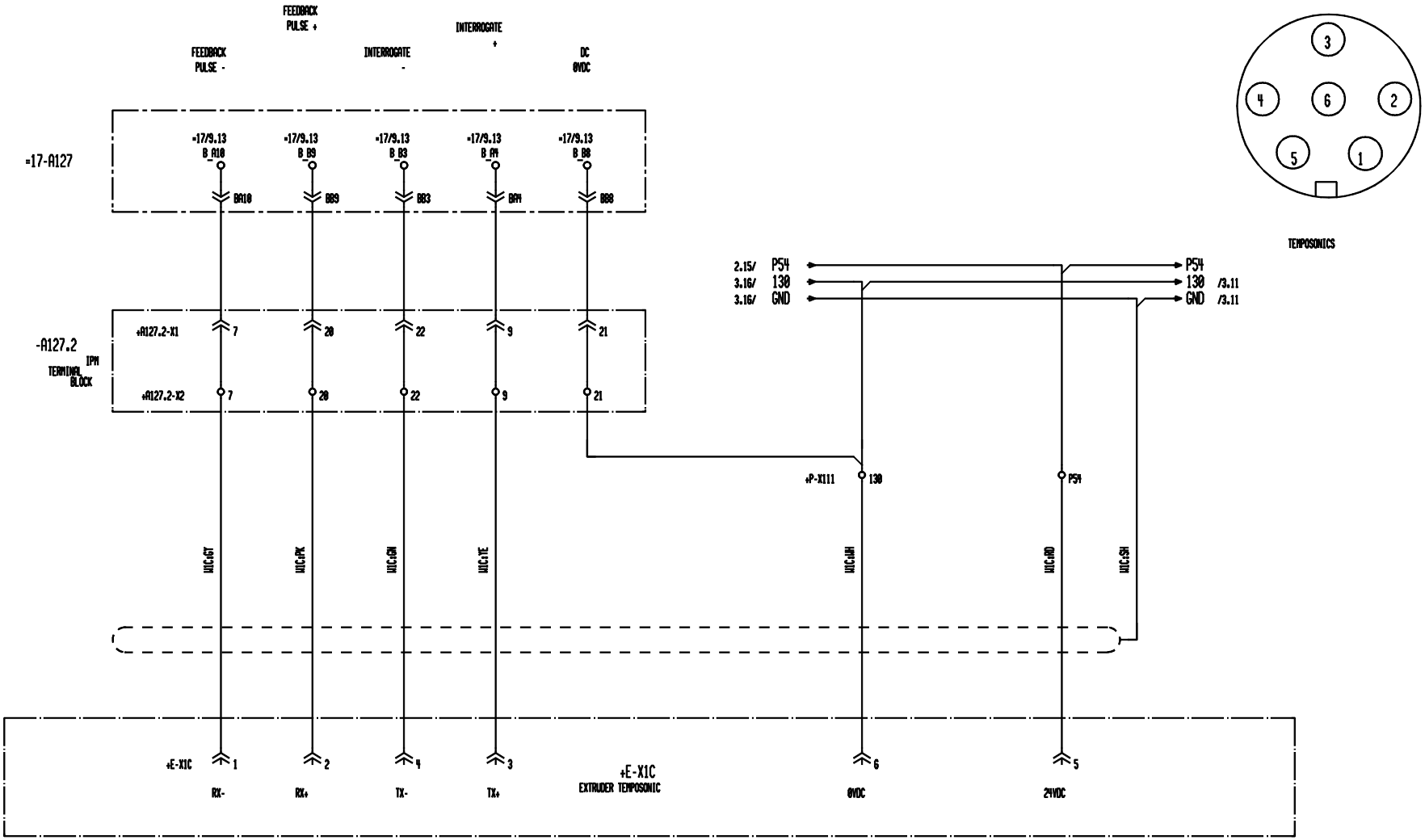
Machine Model: GL300PET P100/110 E120

Description: CLAMP POSITION MEASUREMENT PHASE II

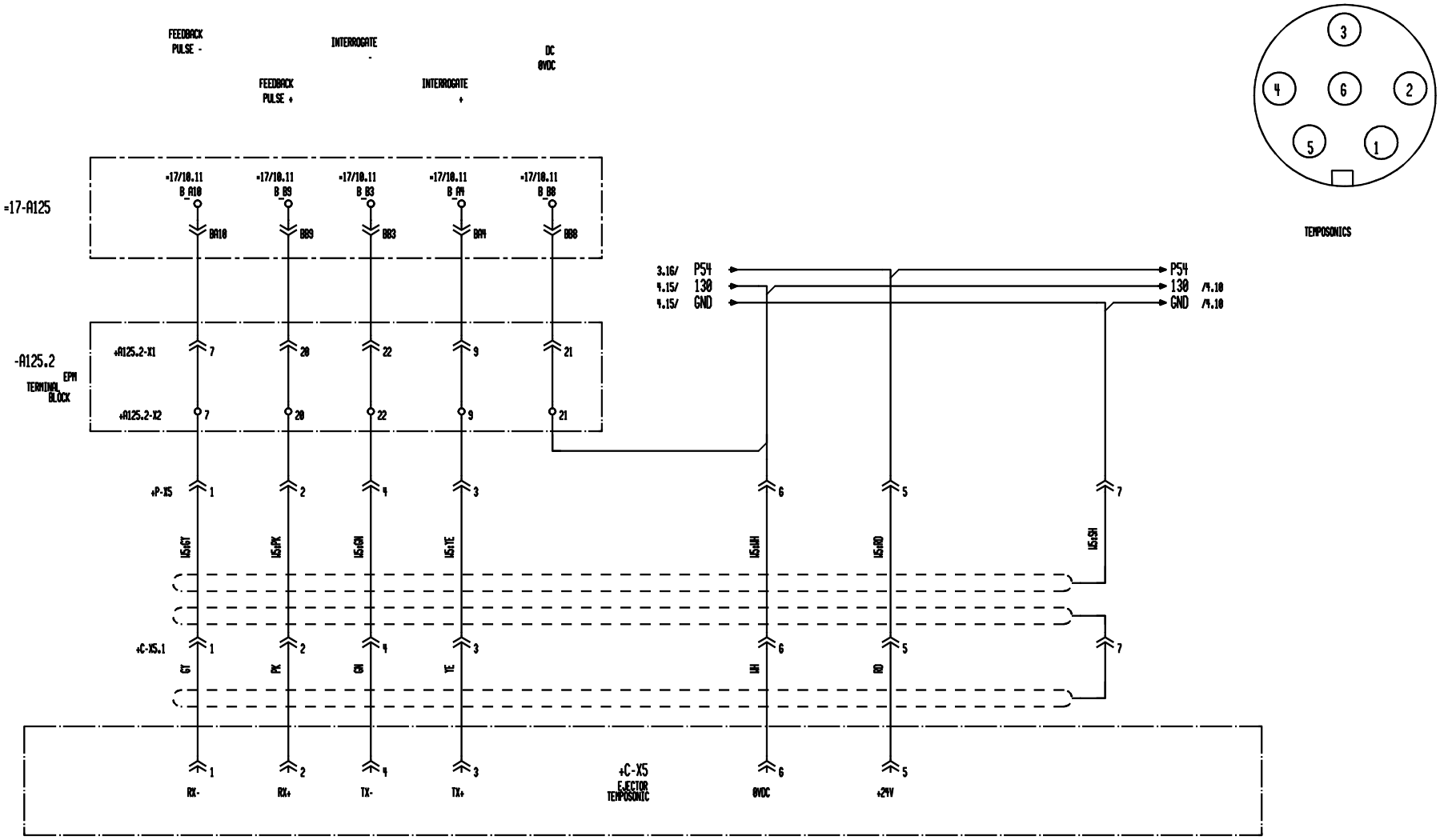
PROJECT	226764	- 12	
MACHINE	2376769	12-01-1-A00	
DRAWING NO.	2385717A	Sheet 1	Total 4



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: INJECTION / CARRIAGE POSITION MEASUREMENT PHASE II	PROJECT 226764 · 12
			Created by		MPR				INCHIDE 2376769 · 12-02-1-R00
V8			Approved						DRAWING NO. 2385717A · Sheet 2 · Total 4
Revision	Date	Name	Engineer						



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: EXTRUDER POSITION MEASUREMENT	PROJECT 226764	= 12
			Created by		MPR				MACHINE 2376769	12-03-1-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 4
Revision	Date	Name	Engineer							



NOTE: +P-X5 IS 37 PIN CPC CONNECTOR IN THE CABINET. PIN 37 IS CODING PIN.
+C-X5 IS 7 PIN CONNECTOR OF THE TEMPOSONICS ON THE MOVING PLATEN.
+C-X5.1 IS A CONNECTOR ON THE MOVING PLATEN. THIS CONNECTOR IS TEMPORAL.

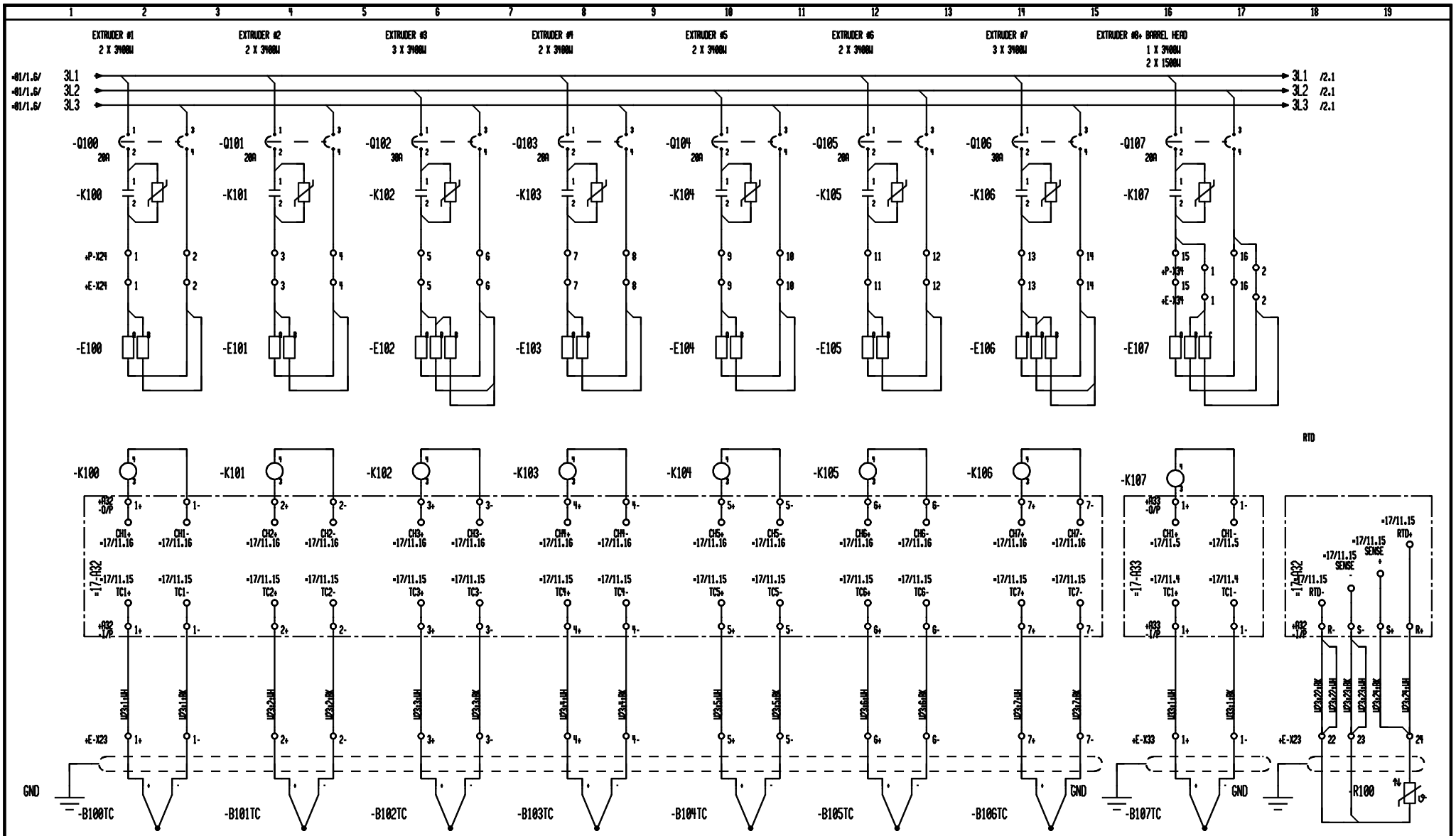
Revision	Date	Name				
			Revised	21.Mar.2001	MPR	
			Created by		MPR	
V8			Approved			
			Engineer			

HUSKY

Machine Model: GL300PET P100/110 E120

Description: EJECTOR POSITION MEASUREMENT PHASE II

PROJECT	226764	- 12	
MACHINE	2376769	12-04-2-A00	
DRAWING NO.	2385717A	Sheet 4	Total 4



			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

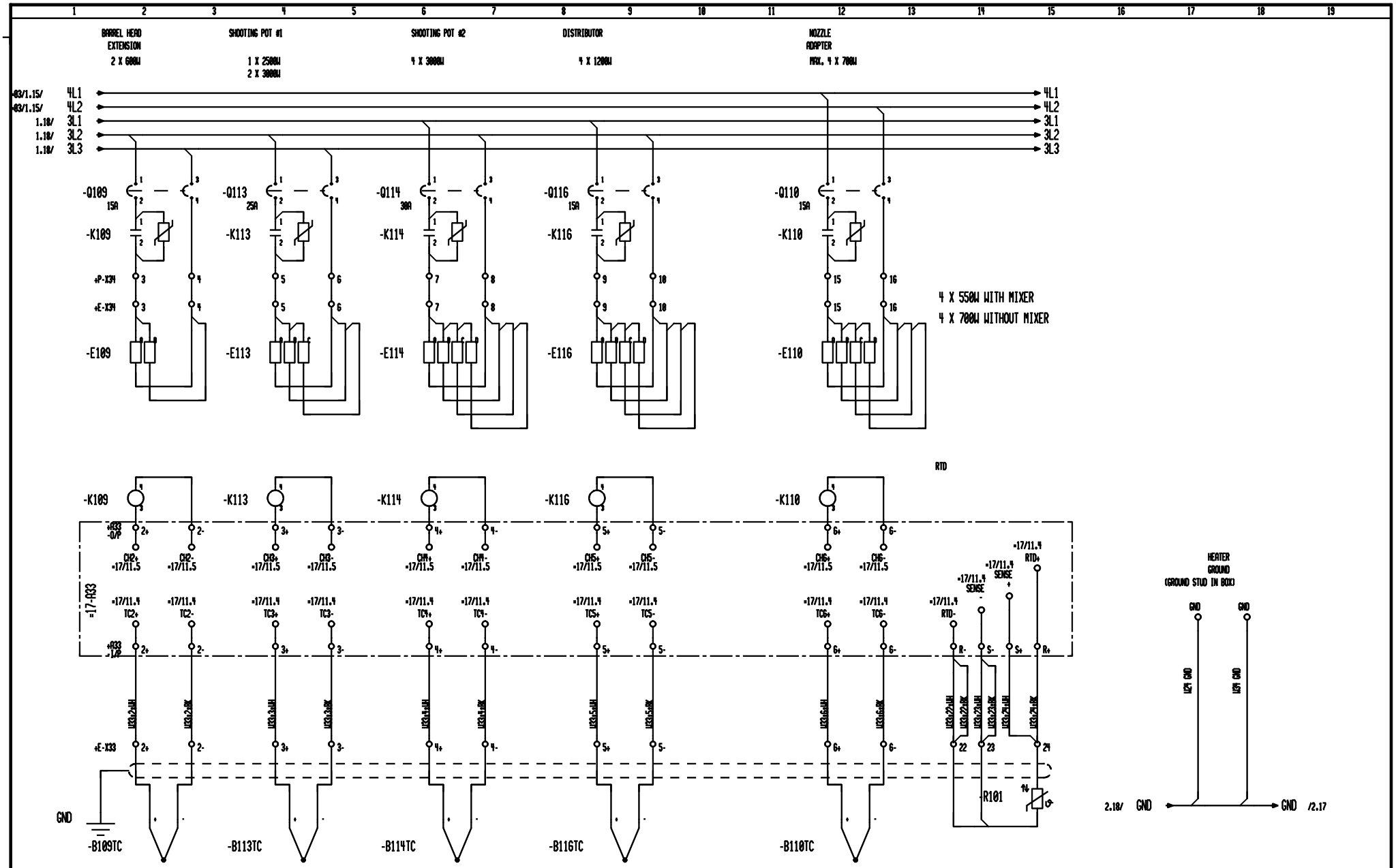
Description: EXTRUDER HEATS P100/110E120 4G0VUL

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A

= 13

13-01-2-R00

Sheet 1 Total 2



			Revised	20.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: INJECTION UNIT HEATS P100 4G0VUL	PROJECT 226764	- 13
			Created by		MPR				MACHINE 2376769	13-02-1-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 2 / Total 2
Revision	Date	Name	Engineer							

THIS PAGE INTENTIONALLY BLANK

			Revised	10-Jun-2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

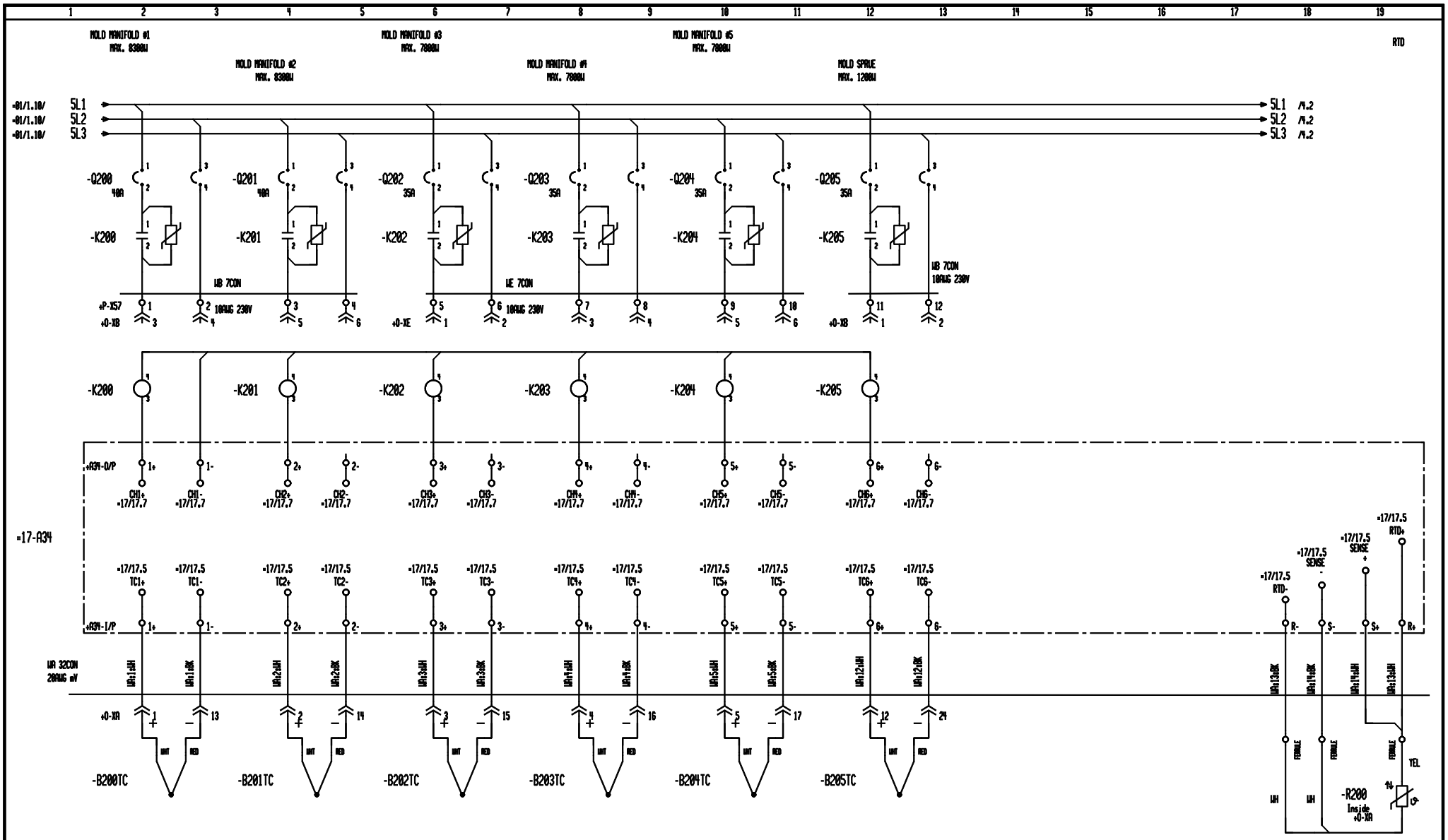
Description: PLC - PLC INTERFACE W/O MOLD HEAT PLC (BLANK PAGE)

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A

- 14

14-01-2-R00

Sheet 1 Total 8



			Revised	10.Jun.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: MANIFOLD & SPRUE HEATS
32/48/56 ZA TIPS
230VUL 3WIRE

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
= 14	
14-02-1-A00	
Sheet	2
Total	8

THIS PAGE INTENTIONALLY LEFT BLANK

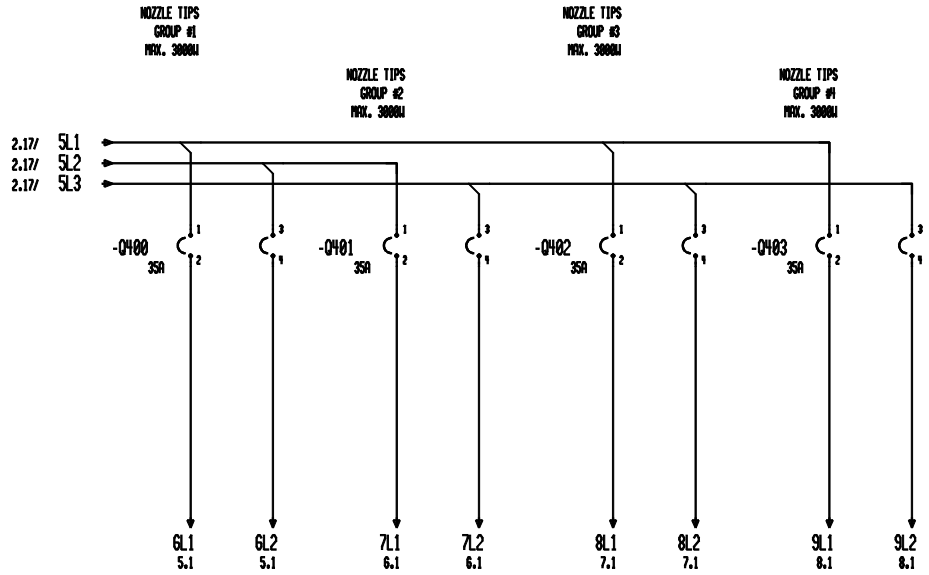
			Revised	10-Jun-2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

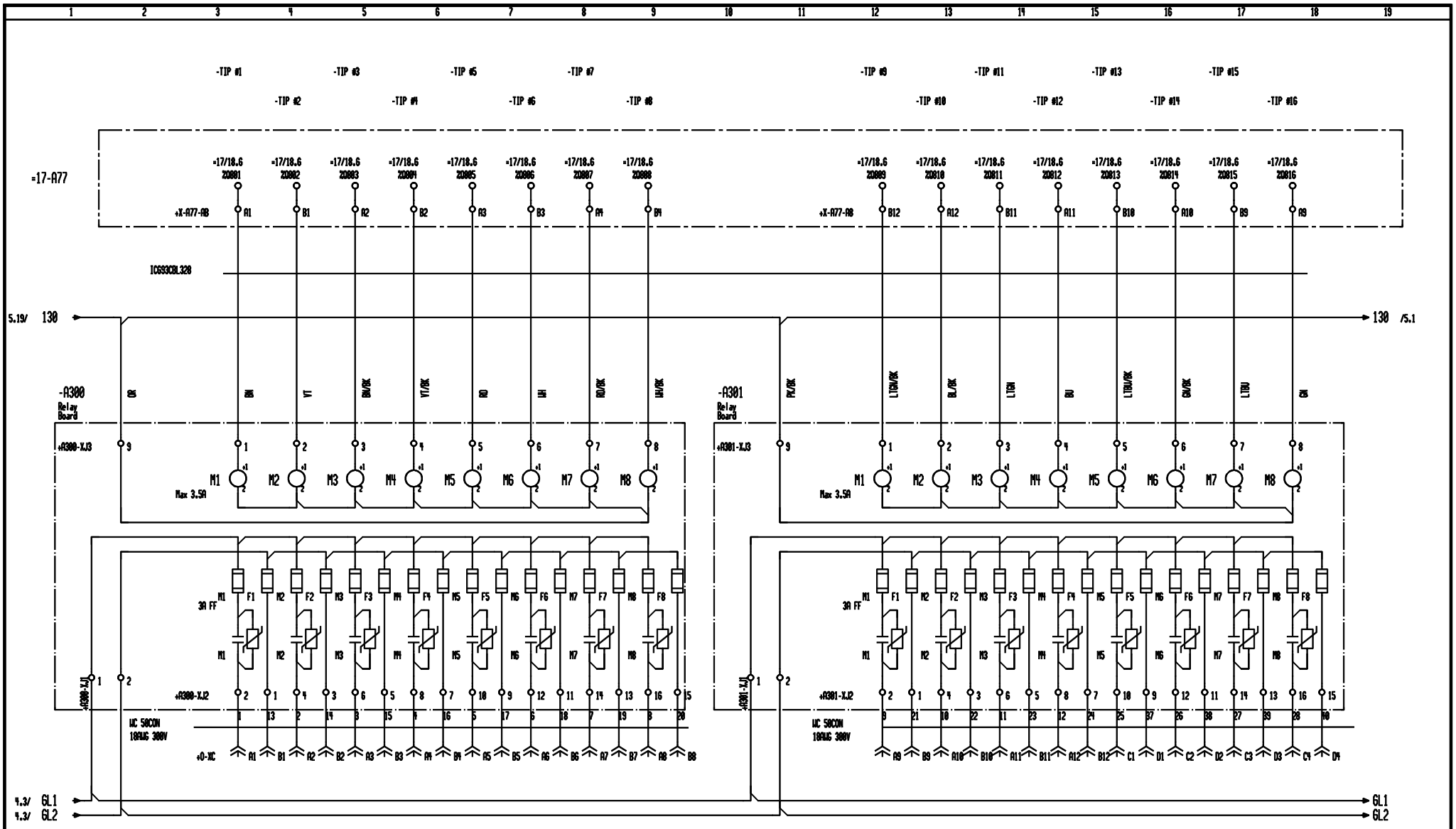
Machine Model: GL300PET P100/110 E120

Description: MANIFOLD & SPRUE HEATS (BLANK PAGE) 32/48/72 CAVITY

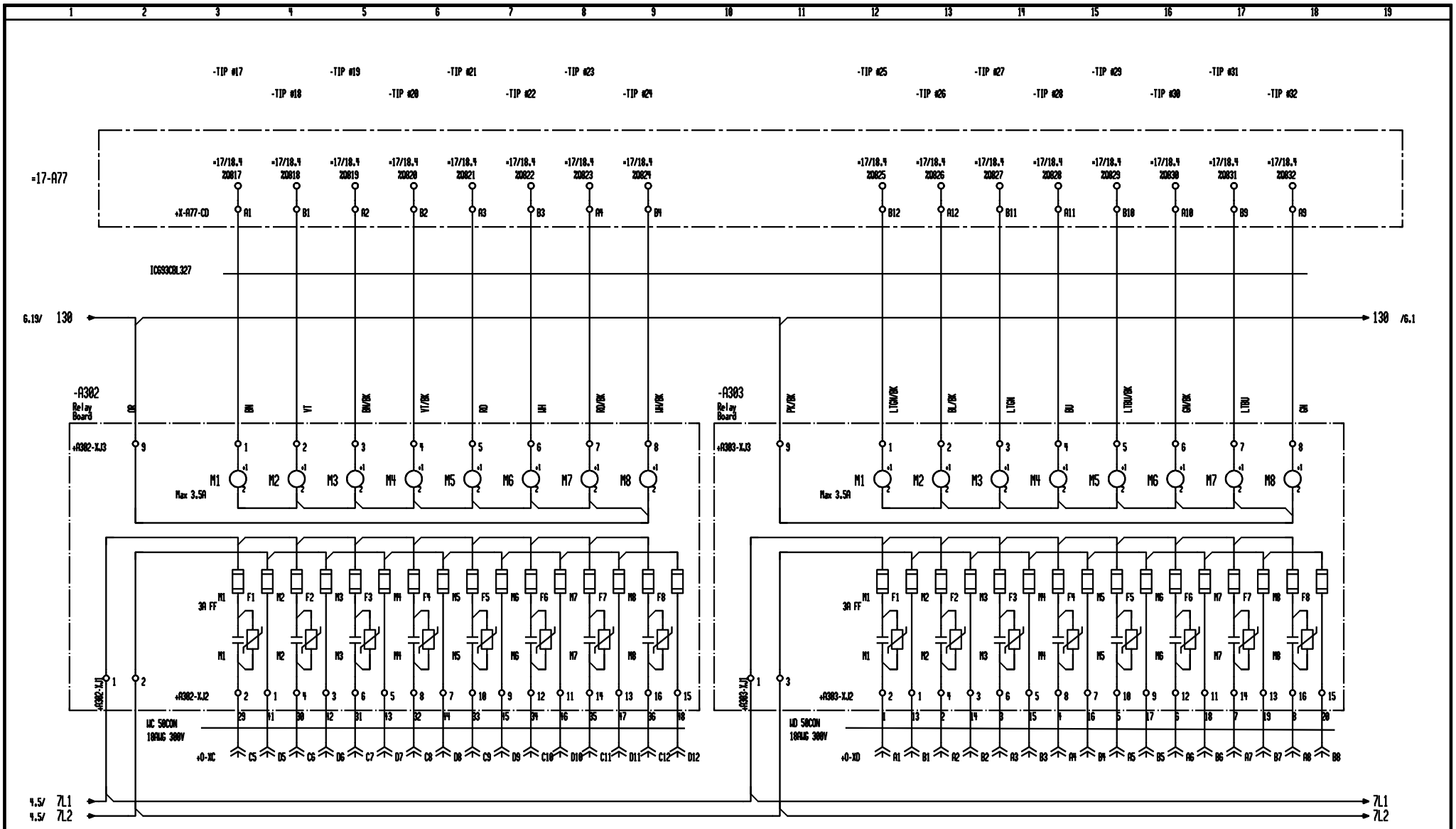
PROJECT	226764	- 14	
MACHINE	2376769	14-03-1-R00	
DRAWING NO.	2385717A	Sheet 3	Total 8



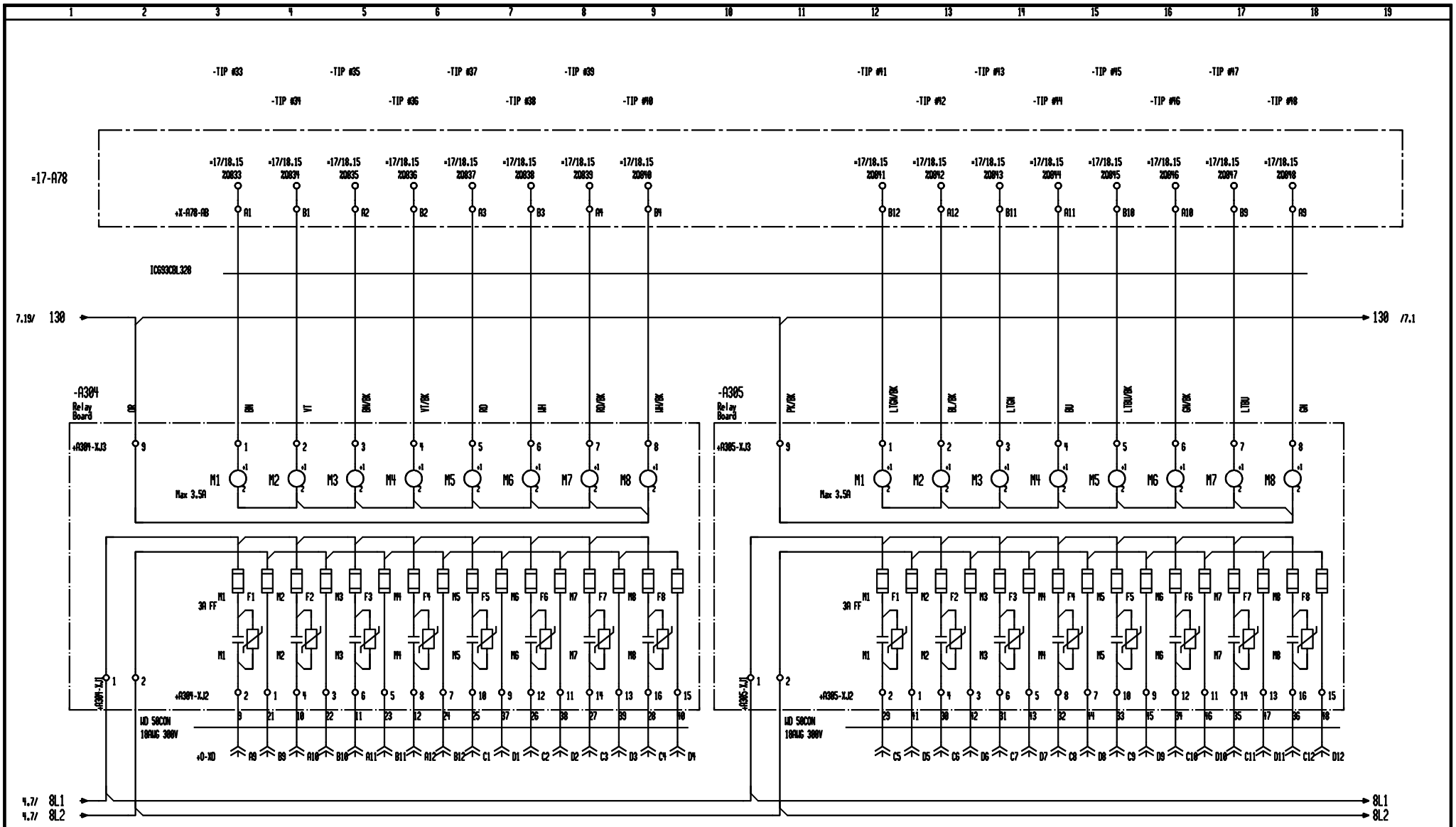
			Revised	10.Jun.2001	MVR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NOZZLE TIP POWER GROUPS 1-4 56 2A TIPS 230VUL 3WIRE	PROJECT 226764 · 14
			Created by		MVR				MACHINE 2376769 · 14-04-7-R00
V8			Approved						DRAWING NO. 2385717A · Sheet 4 · Total 8
Revision	Date	Name	Engineer						



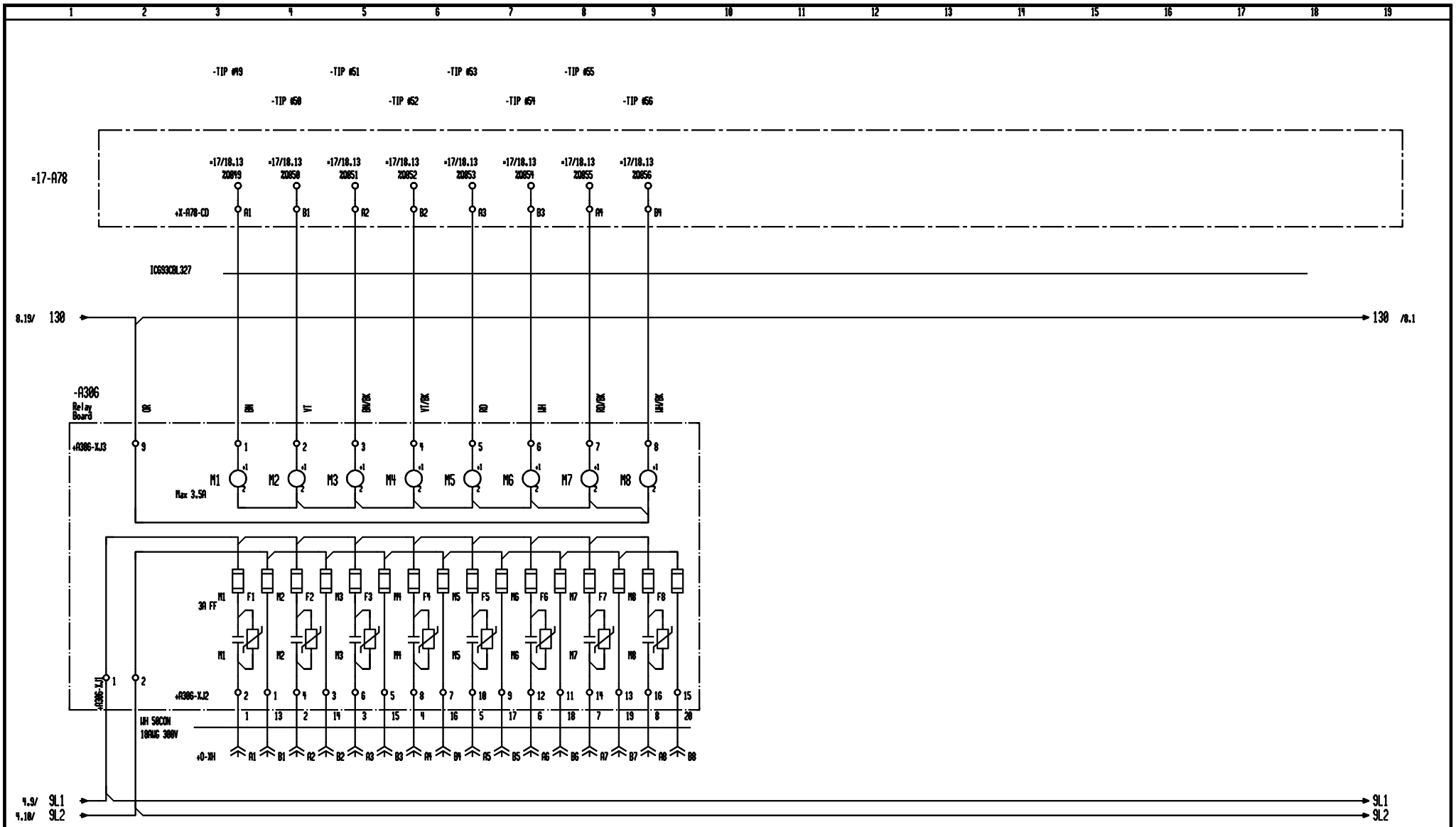
			Revised	29.Jan.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NOZZLE TIP 1-16 POWER % TIPS PHASE II 230VUL 3WIRE	PROJECT 226764 · 14
			Created by		MPR				INCHIDE 2376769 · 14-05-4-A00
V8			Approved						DRAWING NO. 2385717A · Sheet 5 · Total 8
Revision	Date	Name	Engineer						



			Revised	10-Jun-2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NOZZLE TIP 17-32 POWER 2 TIPS PHASE II 230VUL 3WIRE	PROJECT: 226764	- 14
			Created by		MPR				INCHIDE: 2376769	14-06-2-R00
V8			Approved						DRAWING NO.: 2385717A	Sheet 6 / Total 8
Revision	Date	Name	Engineer							



			Revised	10.Jun.2001	HPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NOZZLE TIP 33-48 POWER % TIPS PHASE II 230VUL 3WIRE	PROJECT 226764	= 14
			Created by		HPR				ARCHIVE 2376769	14-07-2-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 7 / Total 8
Revision	Date	Name	Engineer							



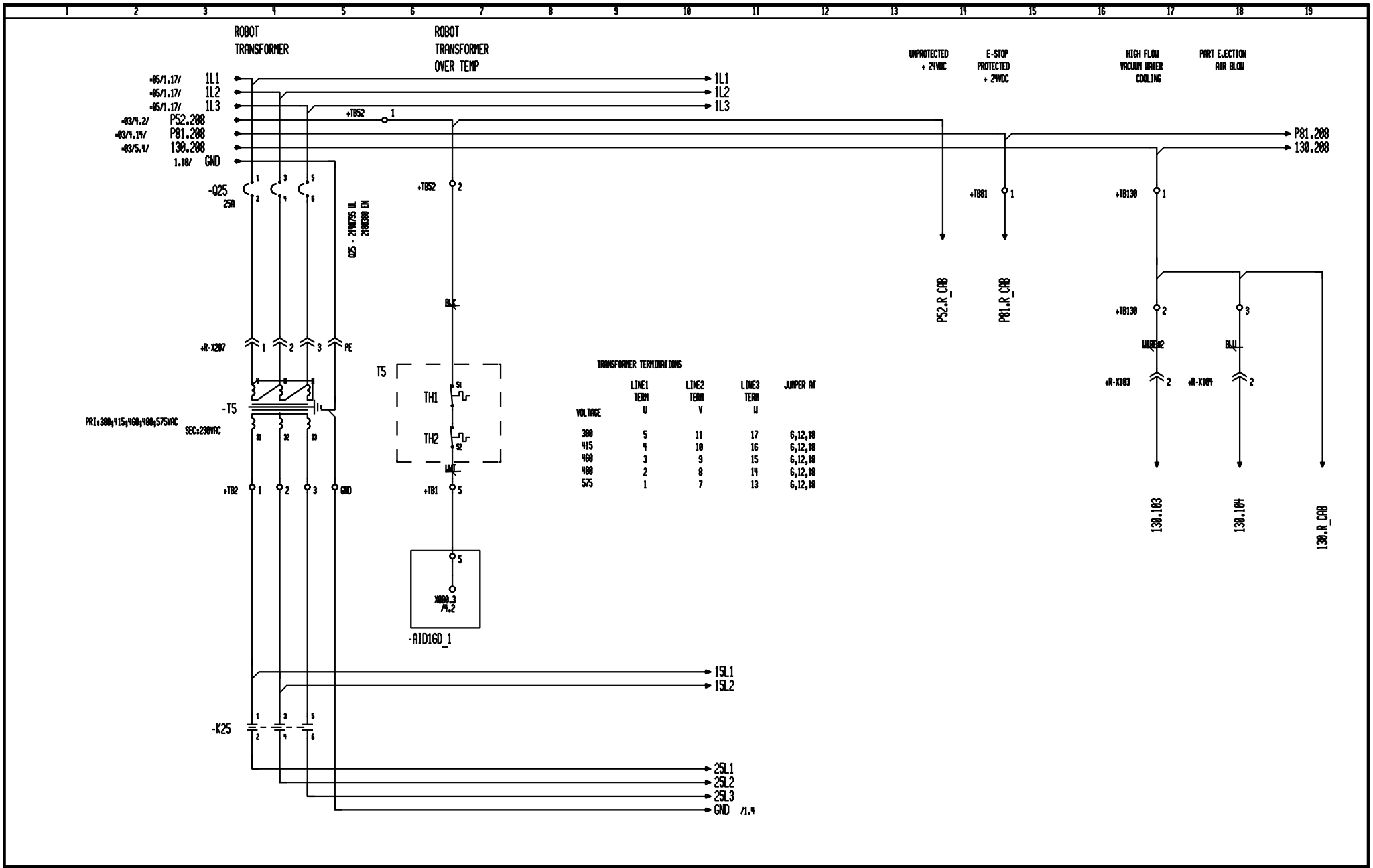
			Revised	10.Jun.2001	MPR	
			Created by		MPR	
V8			Approved			
Revision	Date	Name	Engineer			

HUSKY

Machine Model: GL300PET P100/110 E120

Description: NOZZLE TIP 49-56 POWER
% TIPS PHASE II
230VUL 3WIRE

PROJECT	226764	- 14	
MACHINE	2376769	14-11-3-A00	
DRAWING NO.	2385717A	Sheet 8	Total 8



TRANSFORMER TERMINATIONS

VOLTAGE	LINE1 TERM U	LINE2 TERM V	LINE3 TERM W	JUMPER AT
380	5	11	17	6,12,18
415	4	10	16	6,12,18
460	3	9	15	6,12,18
480	2	8	14	6,12,18
575	1	7	13	6,12,18

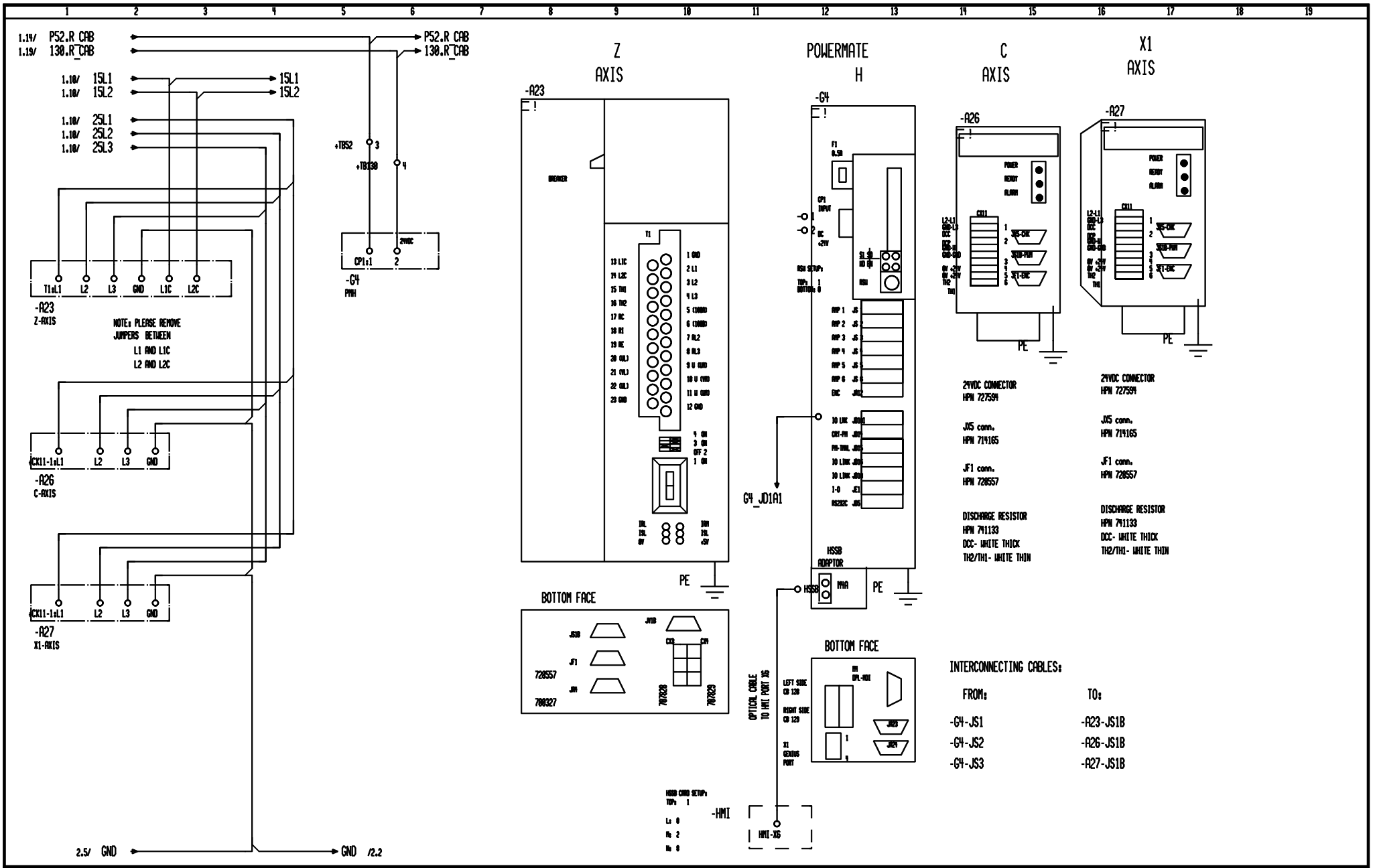
Revision	Date	Name				
			Revised	10.Jun.2001	MPR	
			Created by		MPR	
V8			Approved			
			Engineer			

HUSKY

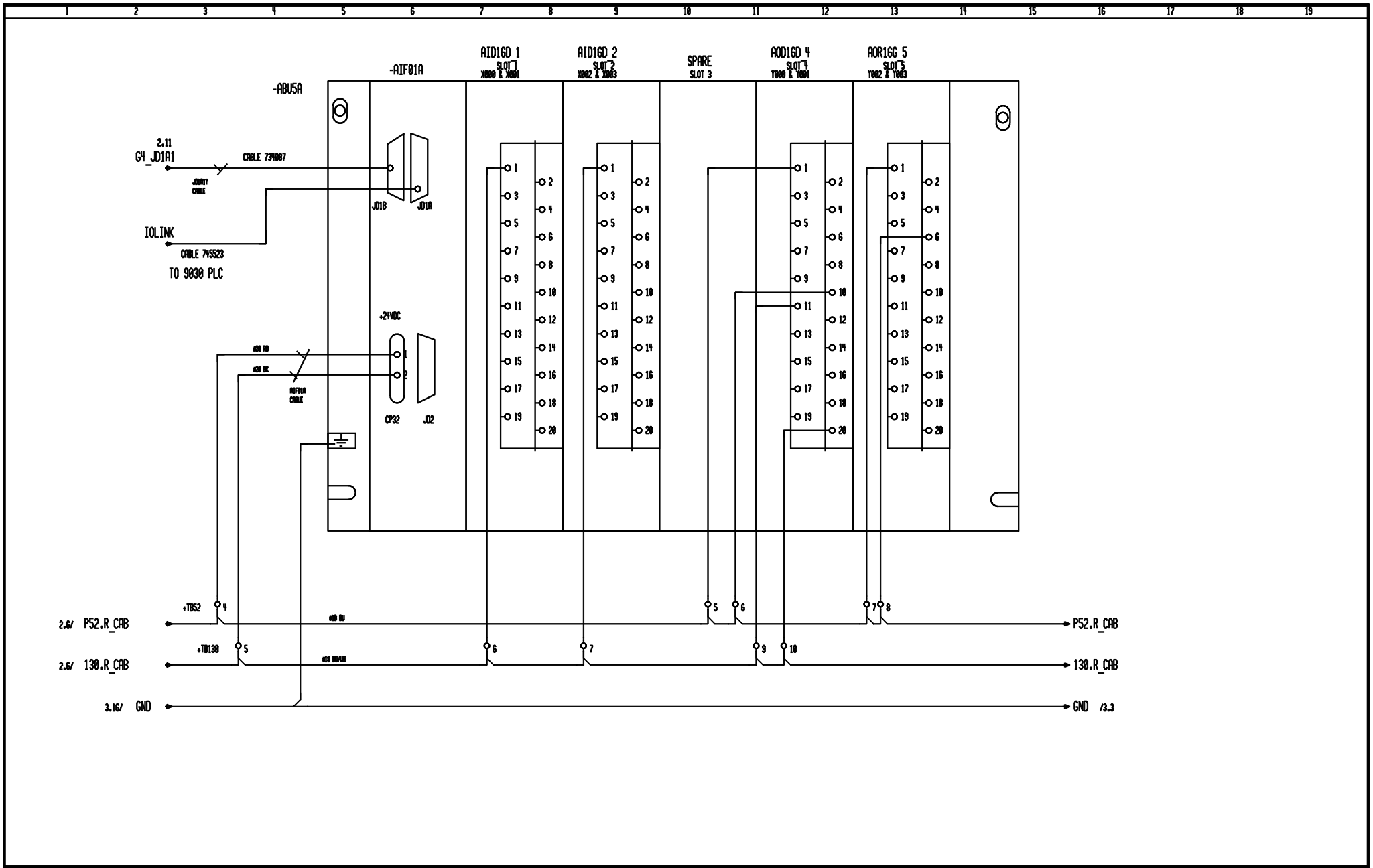
Machine Model: GL300PET P100/110 E120

Description: SERVO POWER SUPPLY

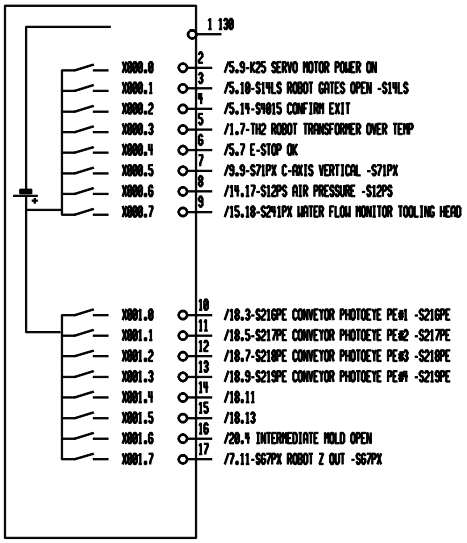
PROJECT	226764	- 15	
MACHINE	2376769	15-01-7-A00	
DRAWING NO.	2385717A	Sheet 1	Total 22



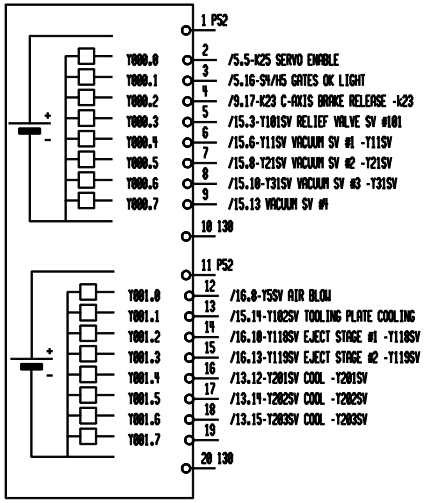
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: DRIVE LAYOUT Z,C,X1 AXIS	PROJECT 226764	- 15
			Created by		MPR				DRAWING 2376769	15-02-7-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 2 / Total 22
Revision	Date	Name	Engineer							



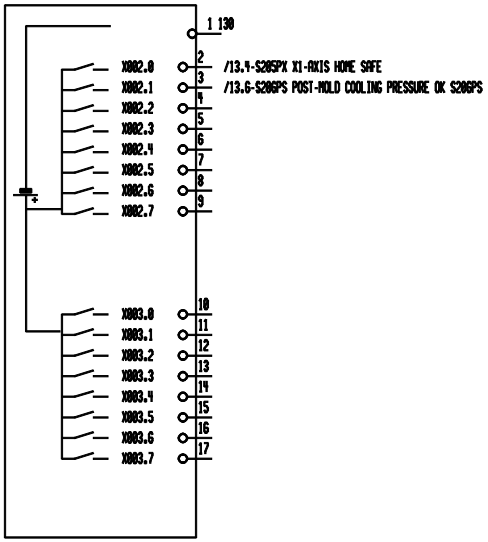
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: I/O RACK	PROJECT 226764	- 15
			Created by		MPR				INCHODE 2376769	15-03-3-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 3 / Total 22
Revision	Date	Name	Engineer							



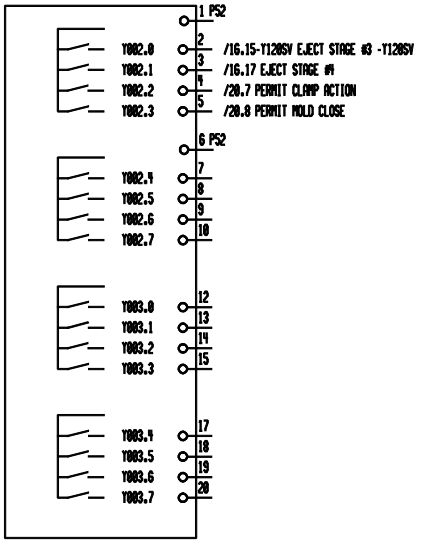
-AID16D_1



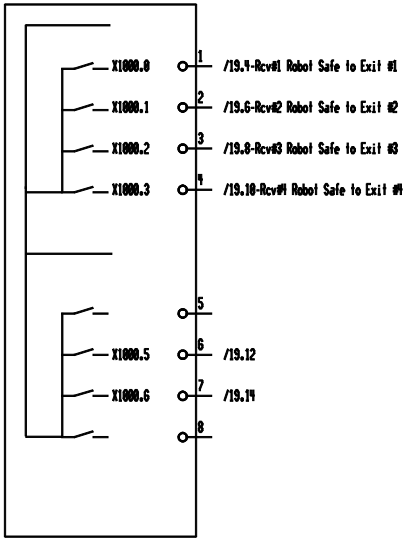
-AOD16D_4



-AID16D_2

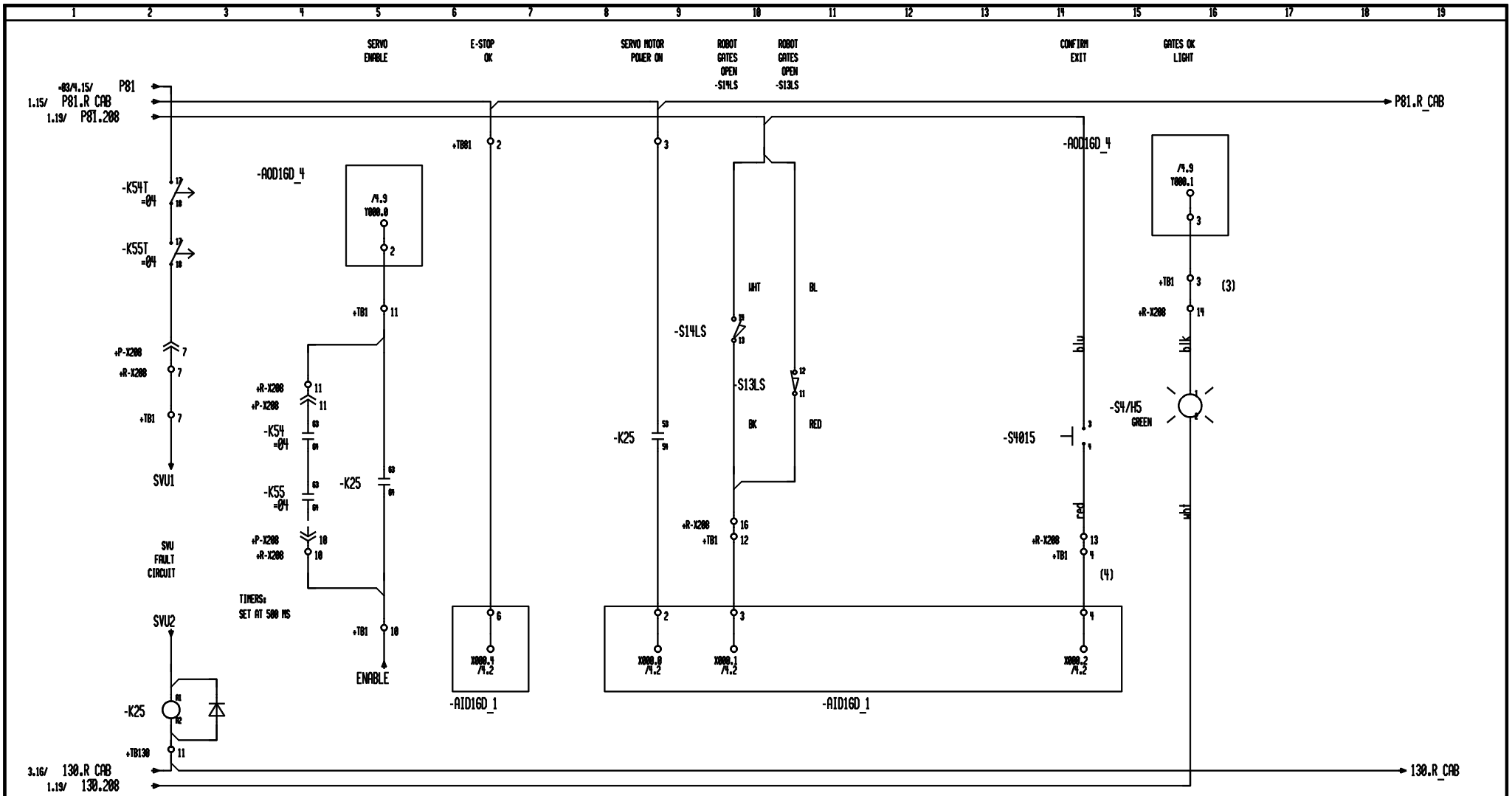


-AOR16G_5

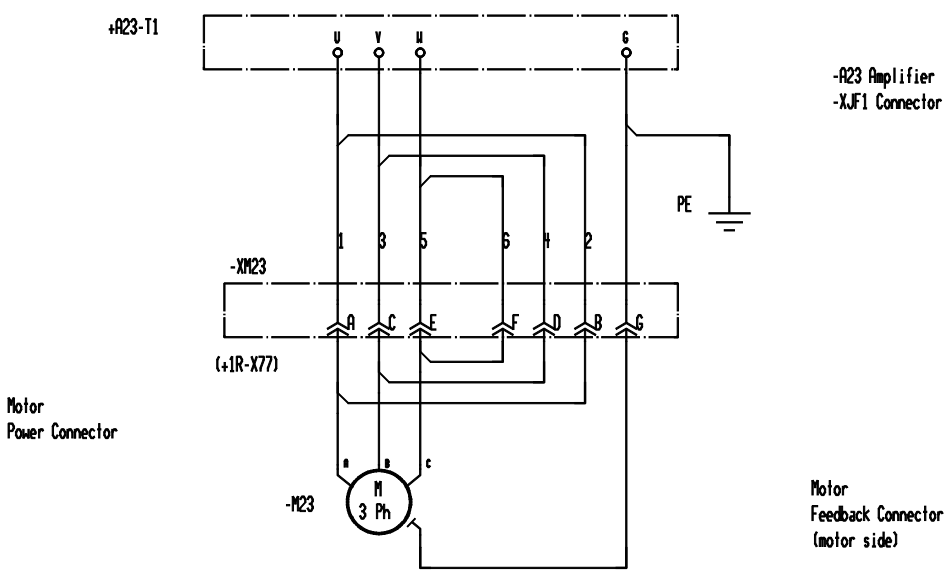


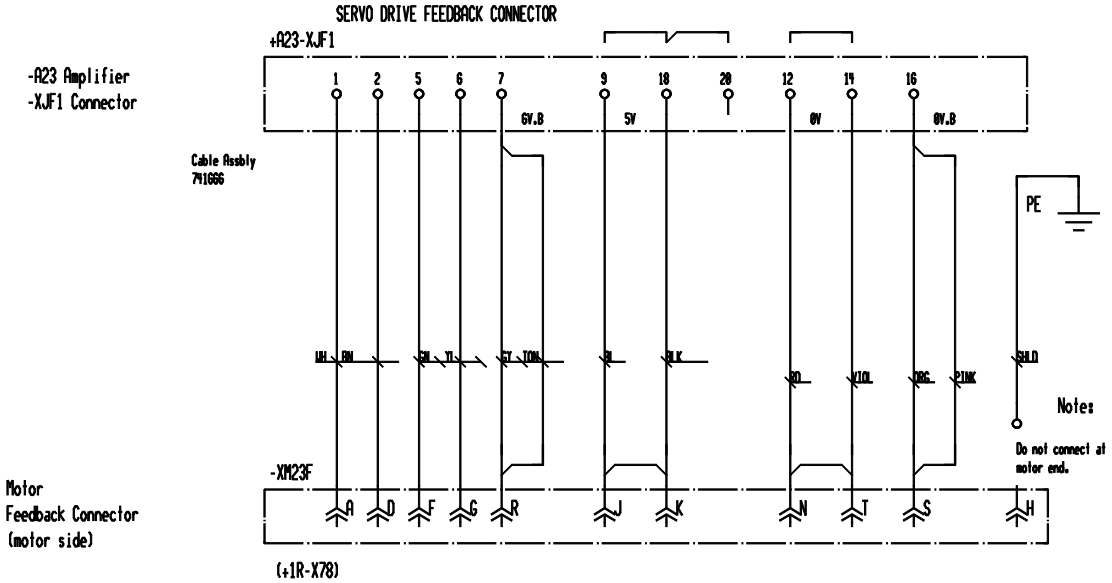
-PMH_JE1

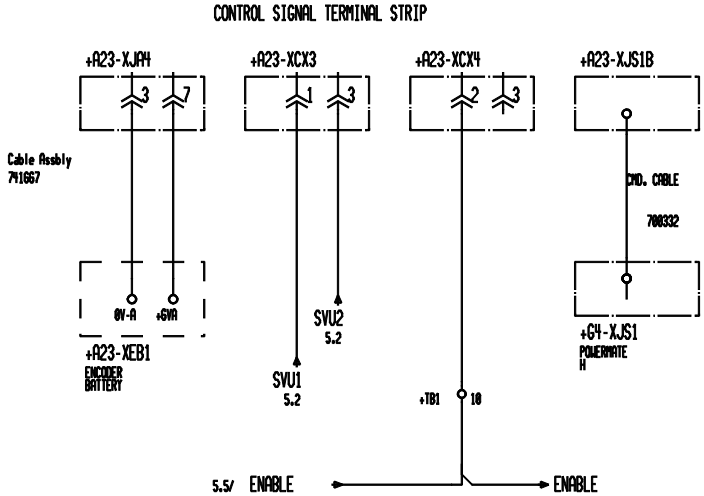
			Revised	29.May.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: INPUT/ OUTPUT CARDS	PROJECT 226764	- 15
			Created by		MPR				PACKAGE 2376769	15-04-3-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 4 / Total 22
Revision	Date	Name	Engineer							



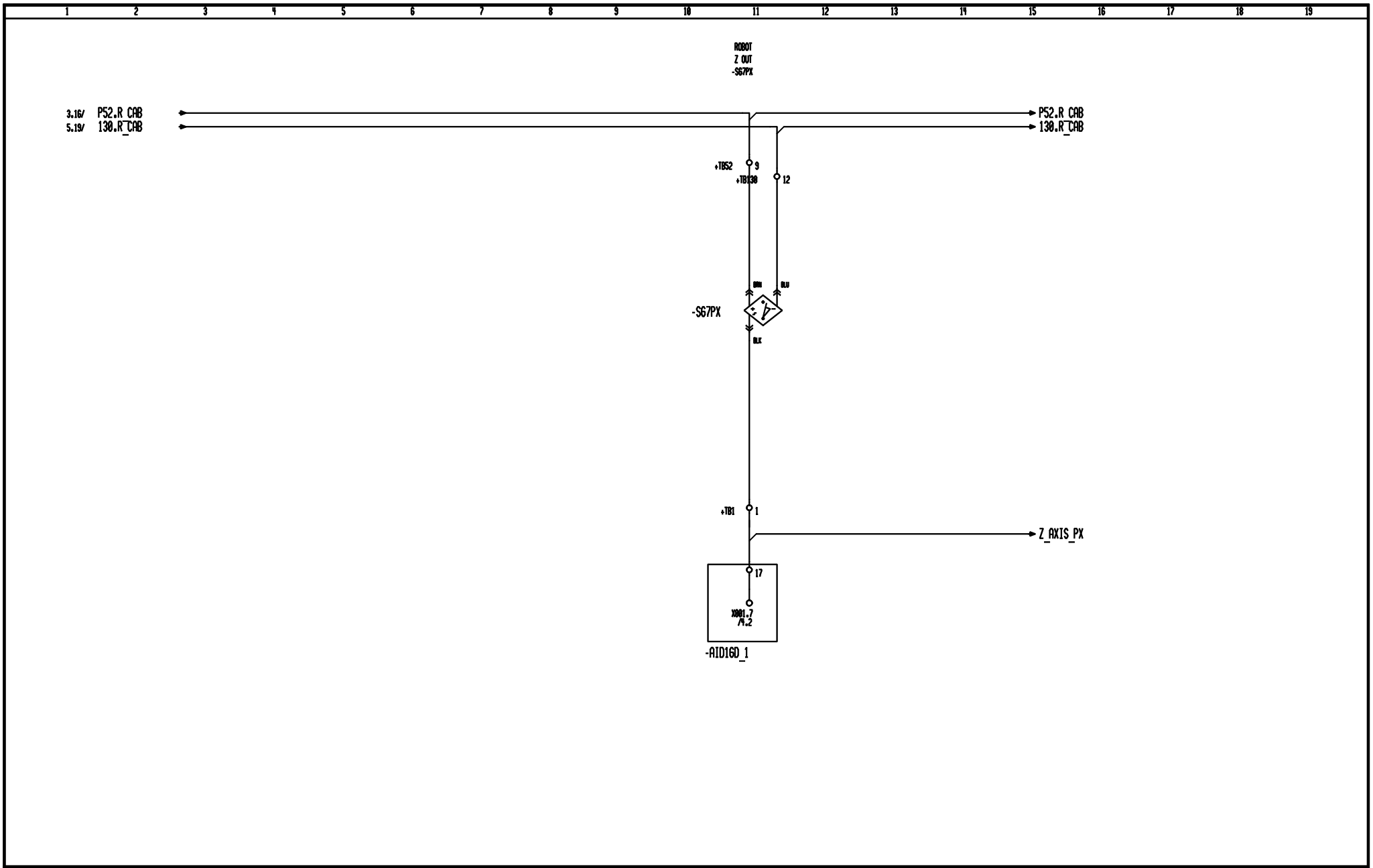
			Revised	29.May.2001	KDE	HUSKY	Machine Model: GL300PET P100/110 E120	Description: ROBOT SERVO CONTROLS	PROJECT 226764	- 15
			Created by		KPR				ARCHIVE 2376769	15-05-3-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 5 / Total 22
Revision	Date	Name	Engineer							



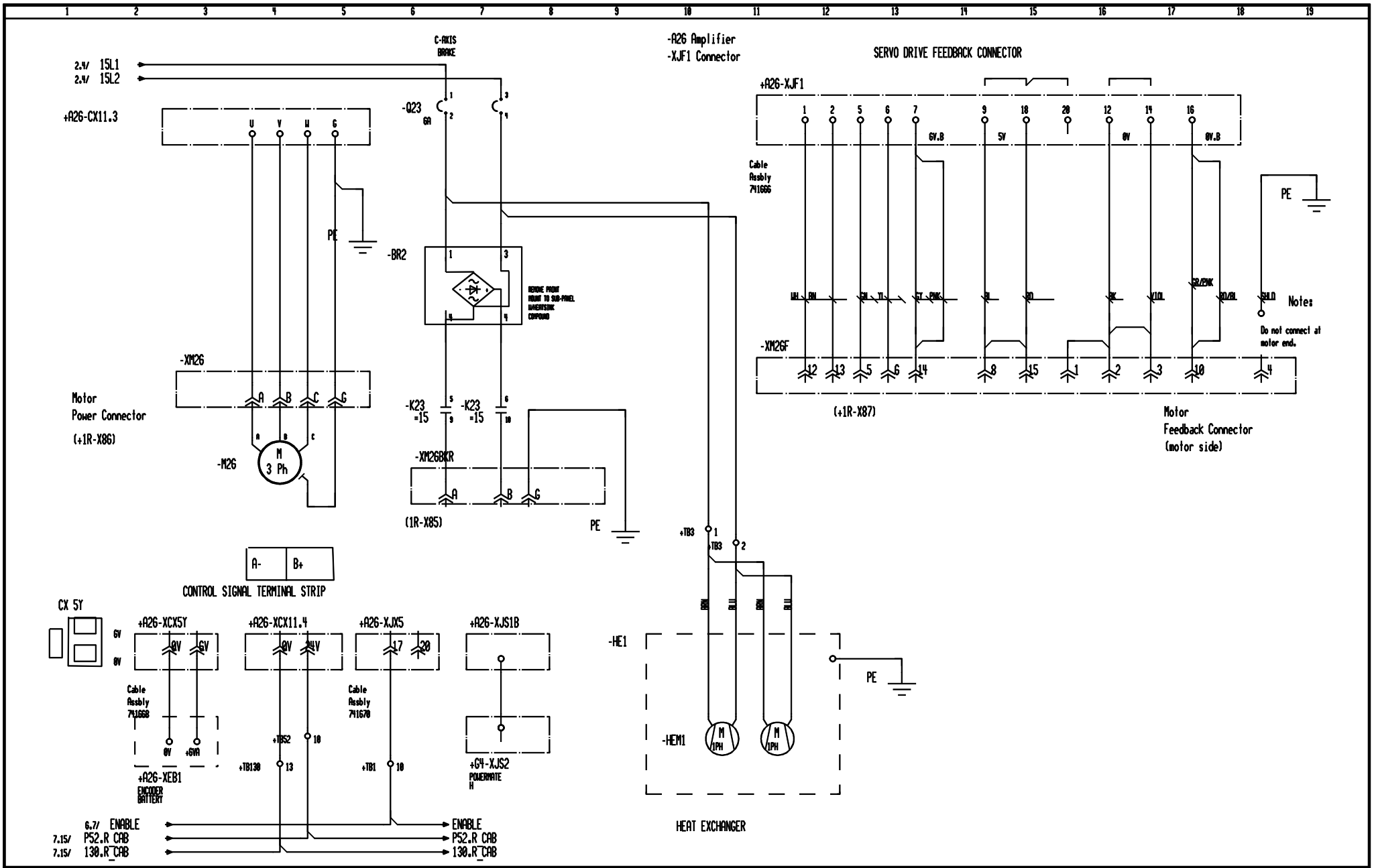




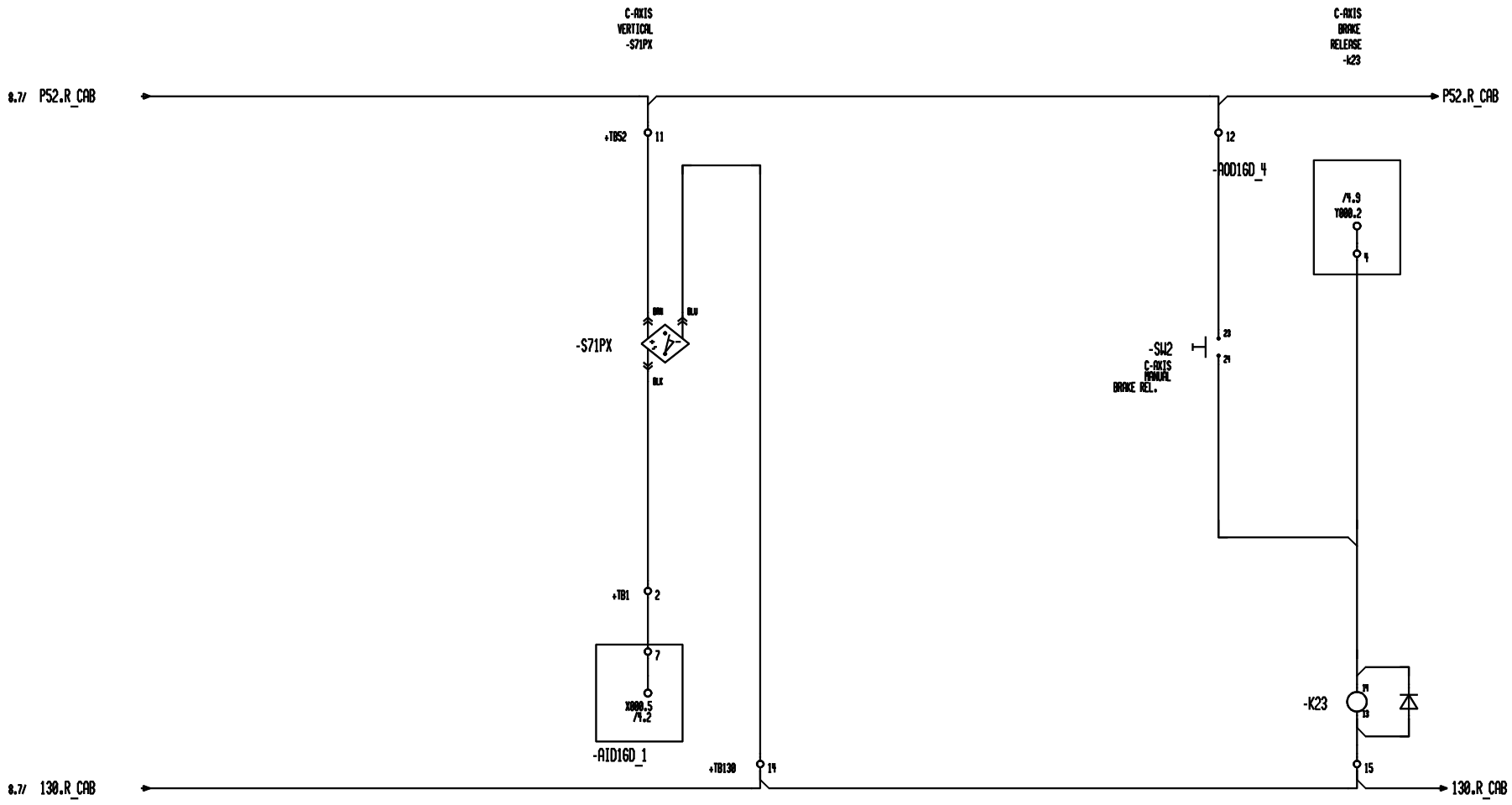
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: Z AXIS SERVO SYSTEM	PROJECT 226764	- 15
			Created by		MPR				MACHINE 2376769	15-06-2-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 6 / Total 22
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: Z AXIS CONTROL	PROJECT 226764	- 15
			Created by		MPR				MACHINE 2376769	15-07-3-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 7 / Total 22
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: C-AXIS SERVO SYSTEM	PROJECT 226764	- 15
			Created by		MPR				PACKAGE 2376769	15-00-3-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 8 / Total 22
Revision	Date	Name	Engineer							



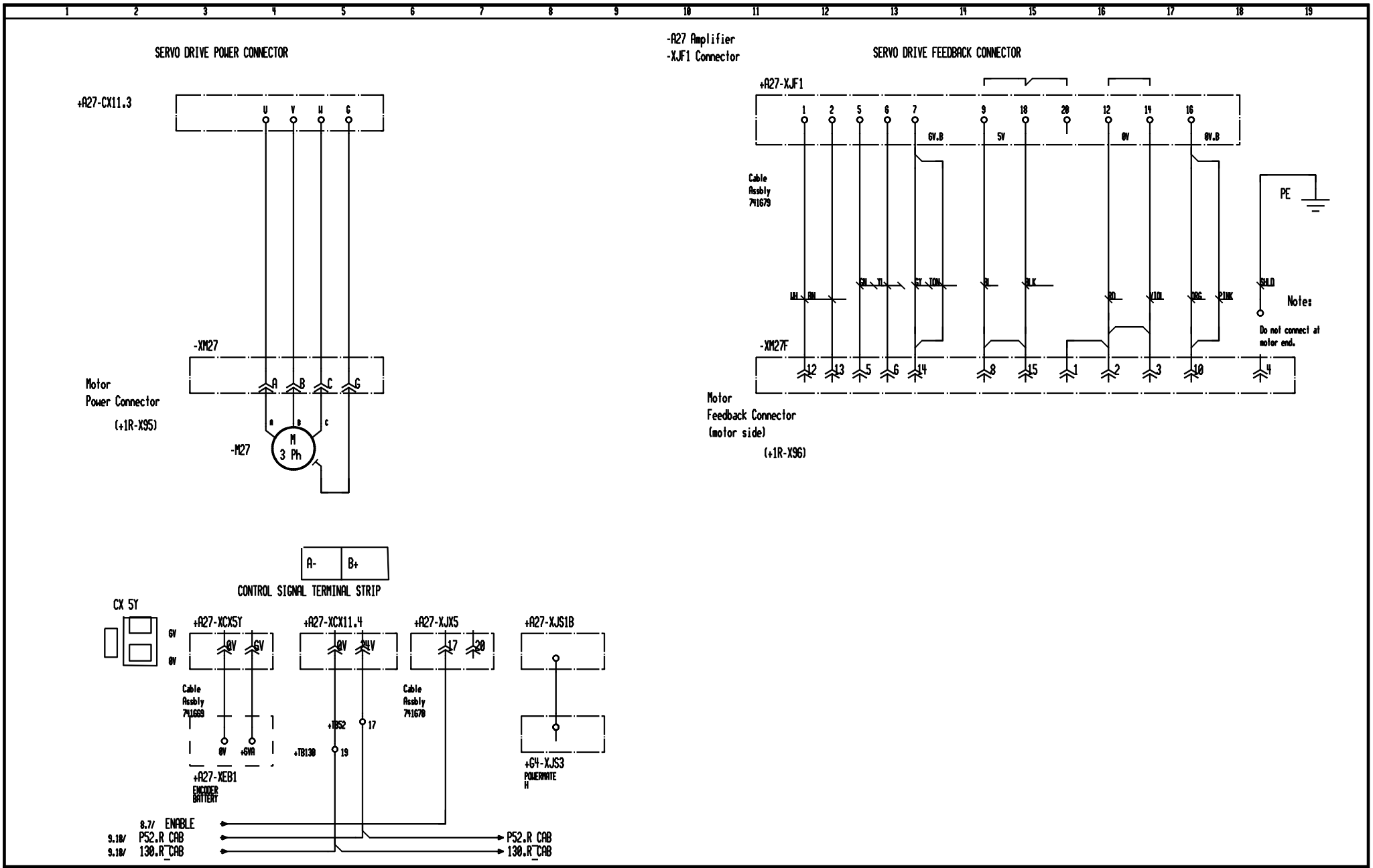
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: C AXIS CONTROLS	PROJECT 226764	- 15
			Created by		MPR				MACHINE 2376769	15-09-7-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 9 / Total 22
Revision	Date	Name	Engineer							

THIS PAGE INTENTIONALLY BLANK

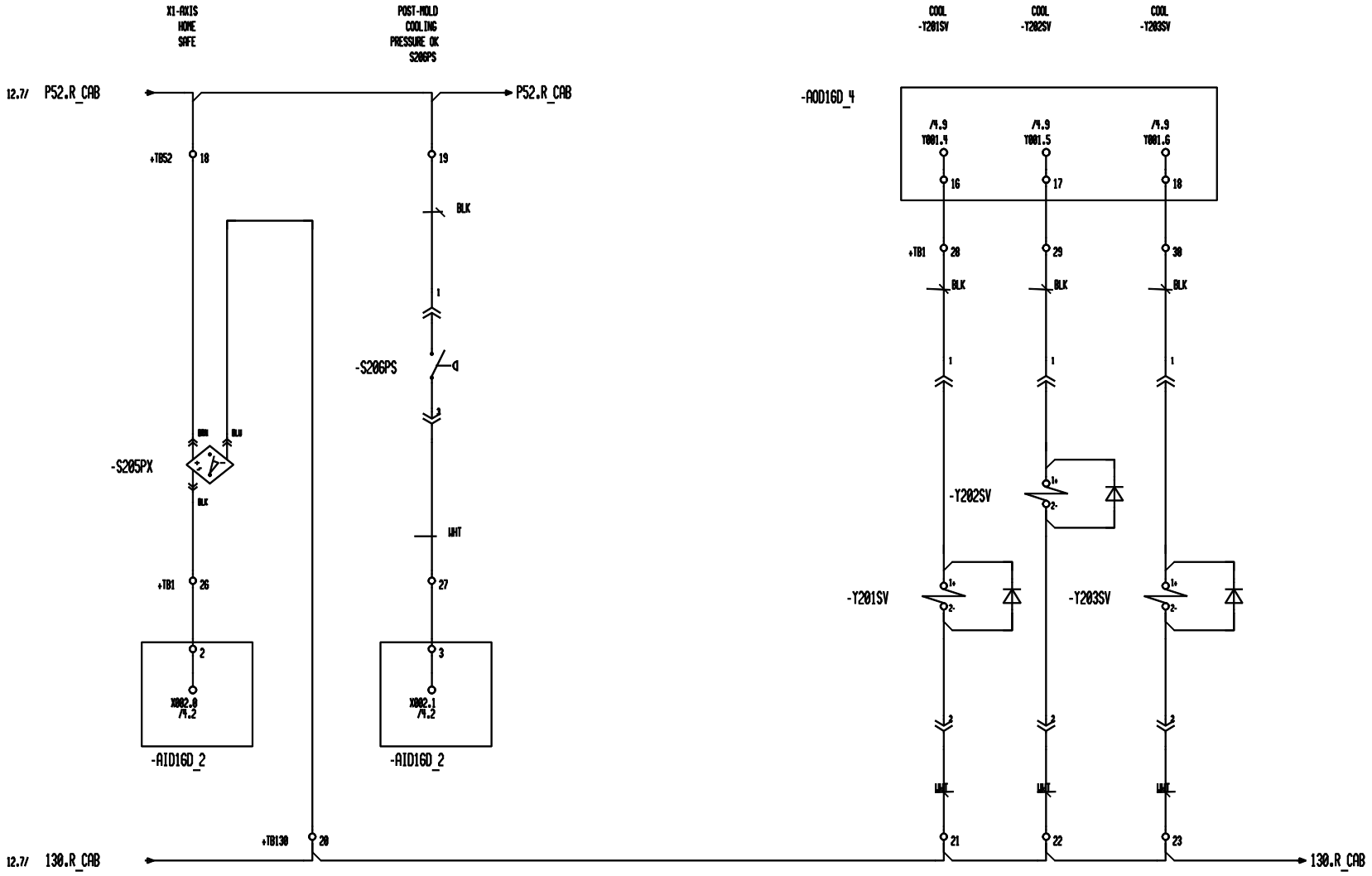
			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NO Y-AXIS	PROJECT 226764	- 15	
			Created by		MPR				MACHINE 2376769	15-10-4-R00	
V8			Approved						DRAWING NO. 2385717A	Sheet 10	Total 22
Revision	Date	Name	Engineer								

THIS PAGE INTENTIONALLY BLANK

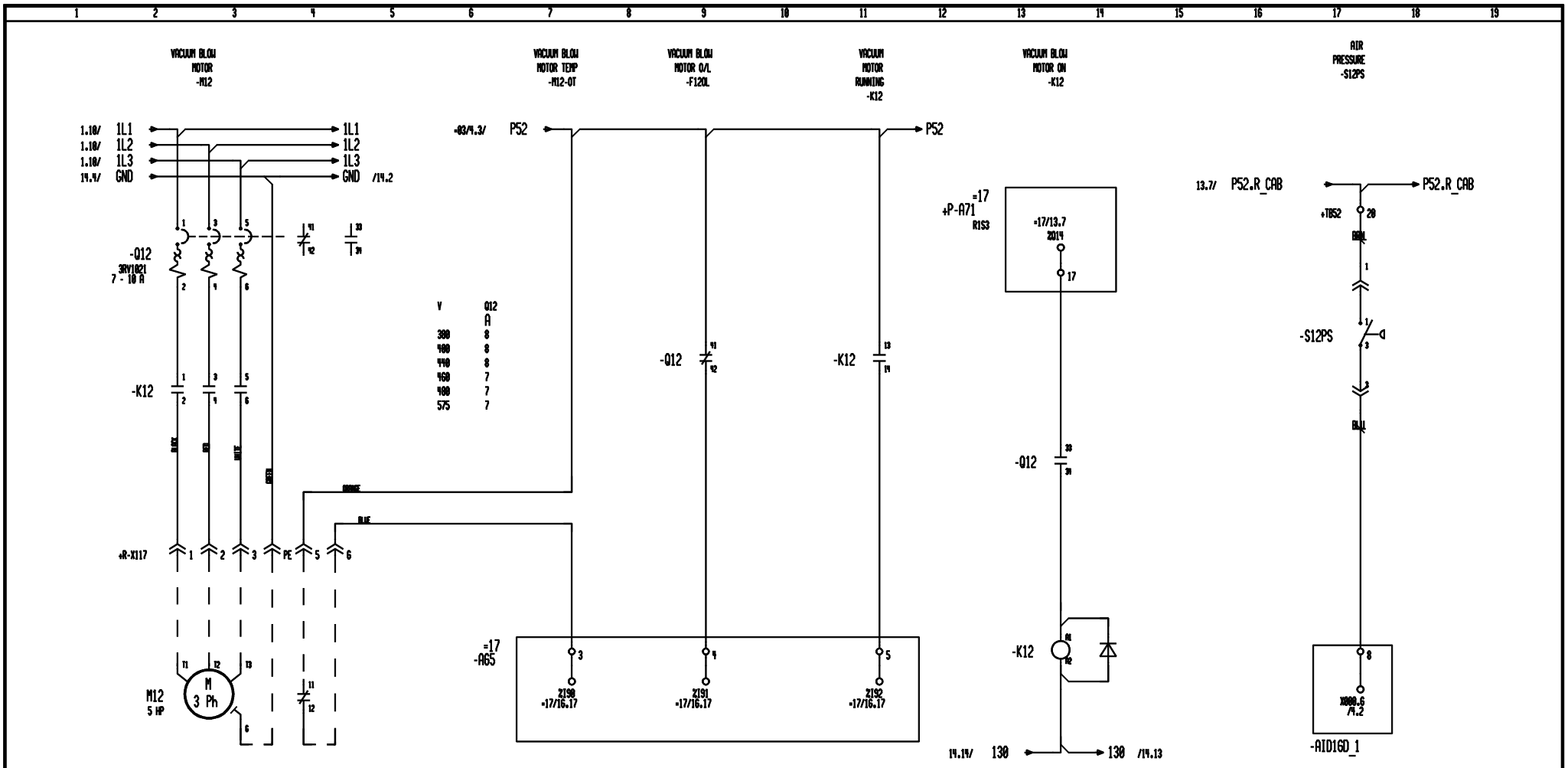
			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NO Y-AXIS	PROJECT 226764	- 15	
			Created by		MPR				MACHINE 2376769	15-11-4-R00	
V8			Approved						DRAWING NO. 2385717A	Sheet 11	Total 22
Revision	Date	Name	Engineer								



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: X1-AXIS SERVO SYSTEM B SIZE ROBOT	PROJECT 226764	- 15
			Created by		MPR				DRAWING 2376769	15-12-7-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 12 / Total 22
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: X1 AXIS CONTROL COOL-JET	PROJECT 226764	- 15
			Created by		MPR				INCHIDE 2376769	15-13-2-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 13 / Total 22
Revision	Date	Name	Engineer							



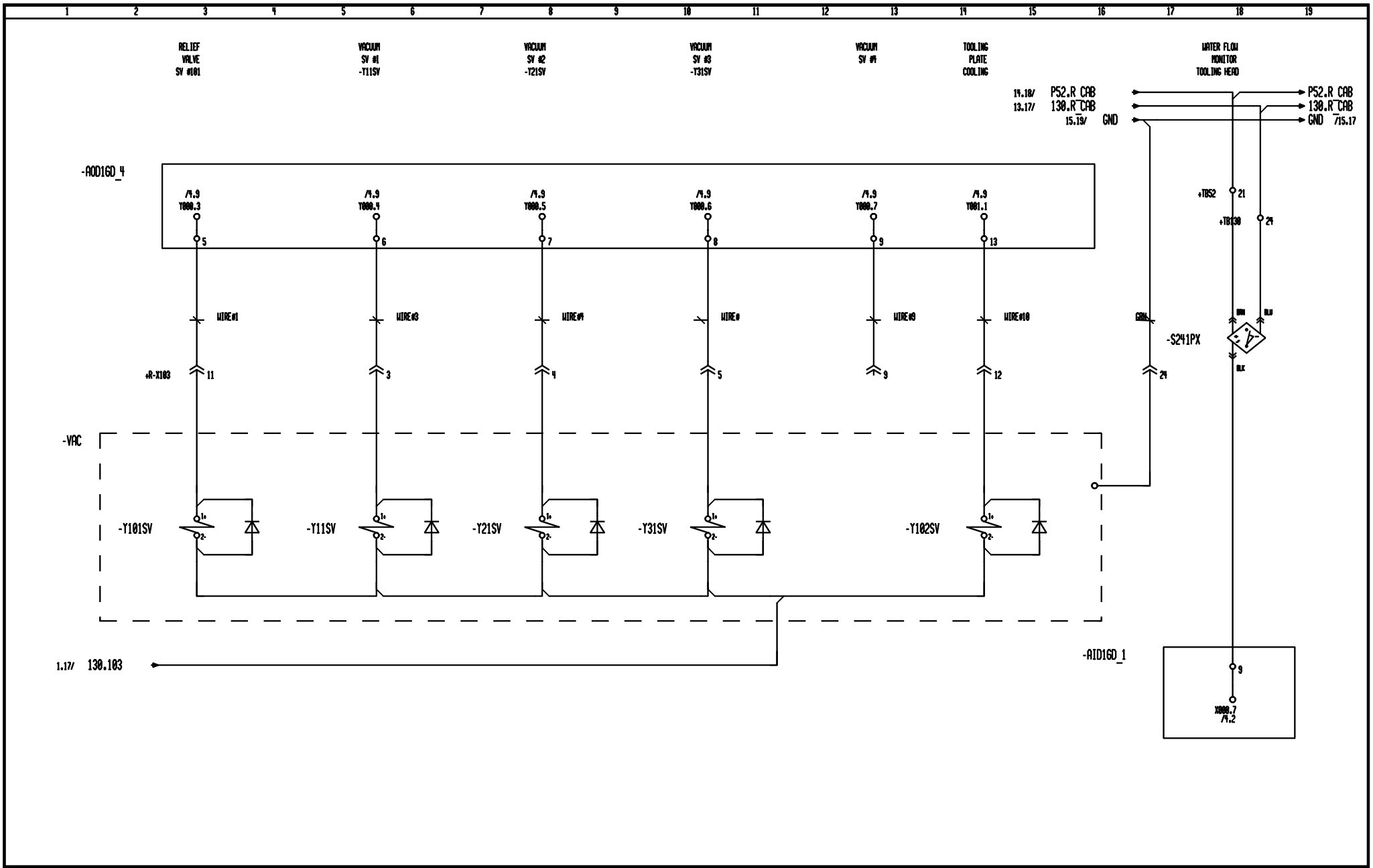
			Revised	21.Mar.2001	MPR
			Created by		MPR
V7			Approved		
Revision	Date	Name	Engineer		

HUSKY

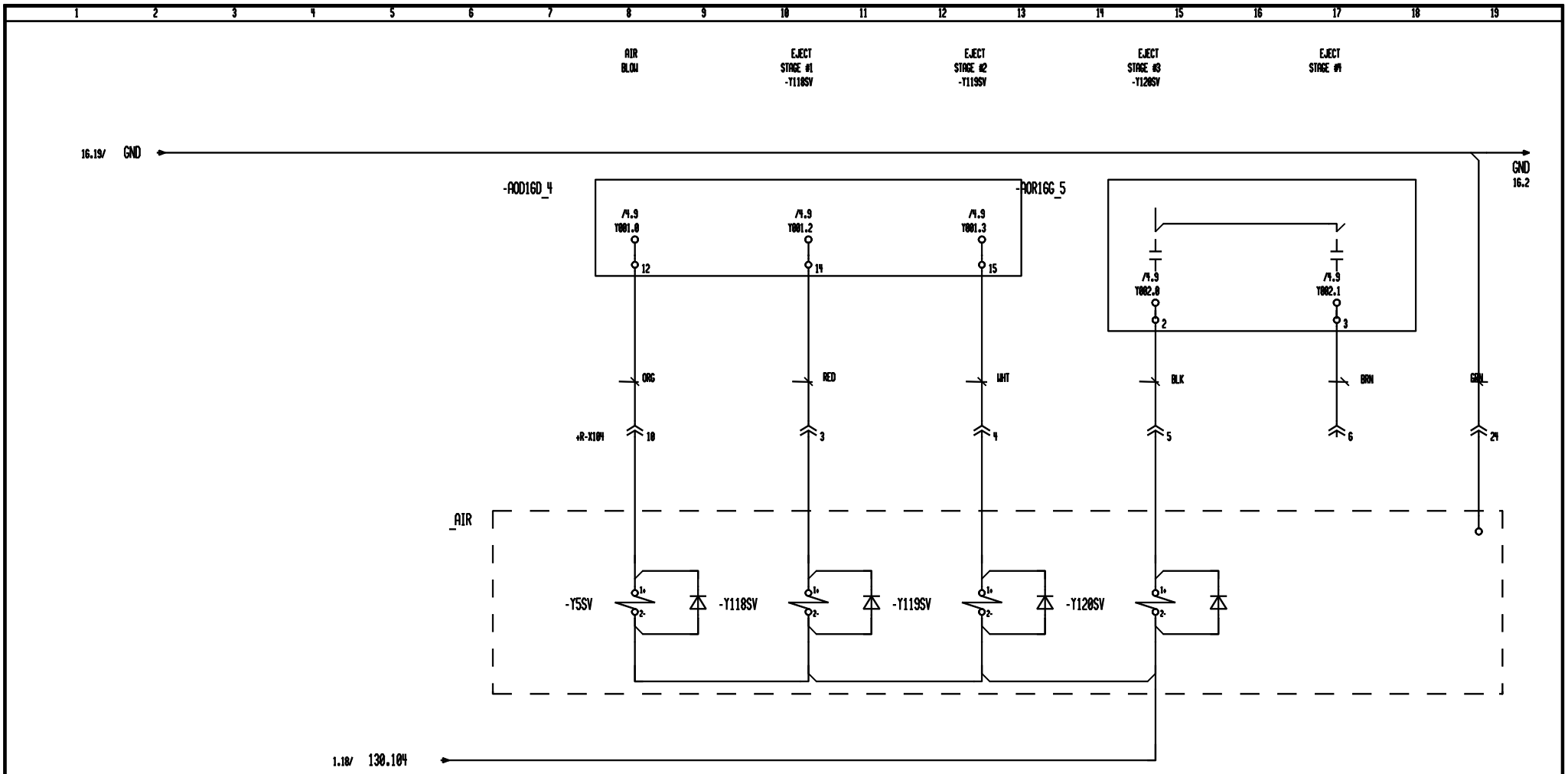
Machine Model: GL300PET P100/110 E120

Description: 5 HP VACUUM MOTOR
ROBOT A OR B SIZE (NO 10 HP OPTION)

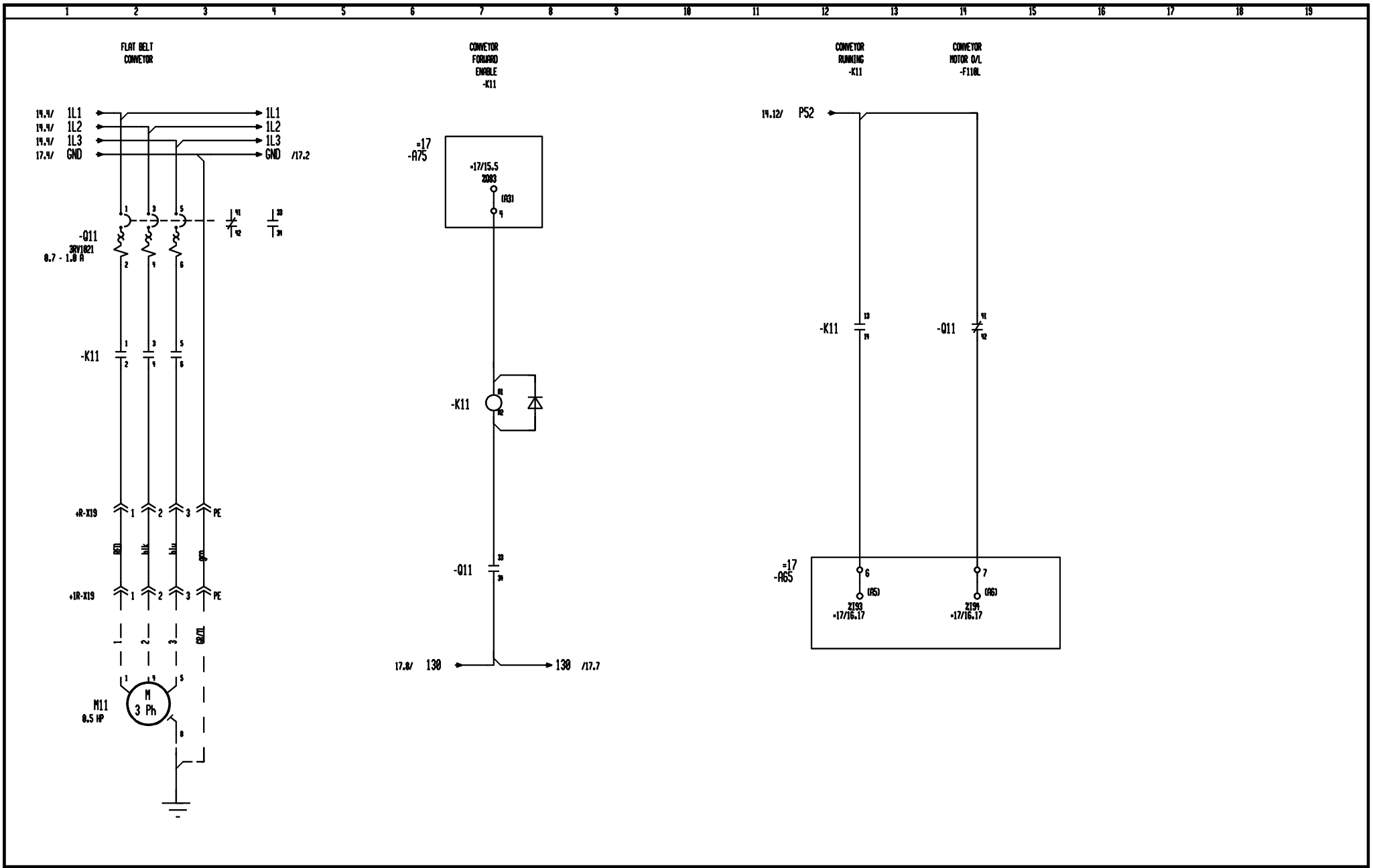
PROJECT	226764	- 15	
MACHINE	2376769	15-14-6-A00	
DRAWING NO.	2385717A	Sheet 14	Total 22



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: 5 VALVE HIGH FLOW VACUUM WATER COOLING	PROJECT 226764 · 15
			Created by		MPR				MACHINE 2376769 · 15-15-3-A00
V8			Approved						DRAWING NO. 2385717A · Sheet 15 · Total 22
Revision	Date	Name	Engineer						



			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: PARTS EJECTION AIR BLOW	PROJECT 226764	- 15
			Created by		MPR				MACHINE 2376769	15-16-2-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 16 / Total 22
Revision	Date	Name	Engineer							



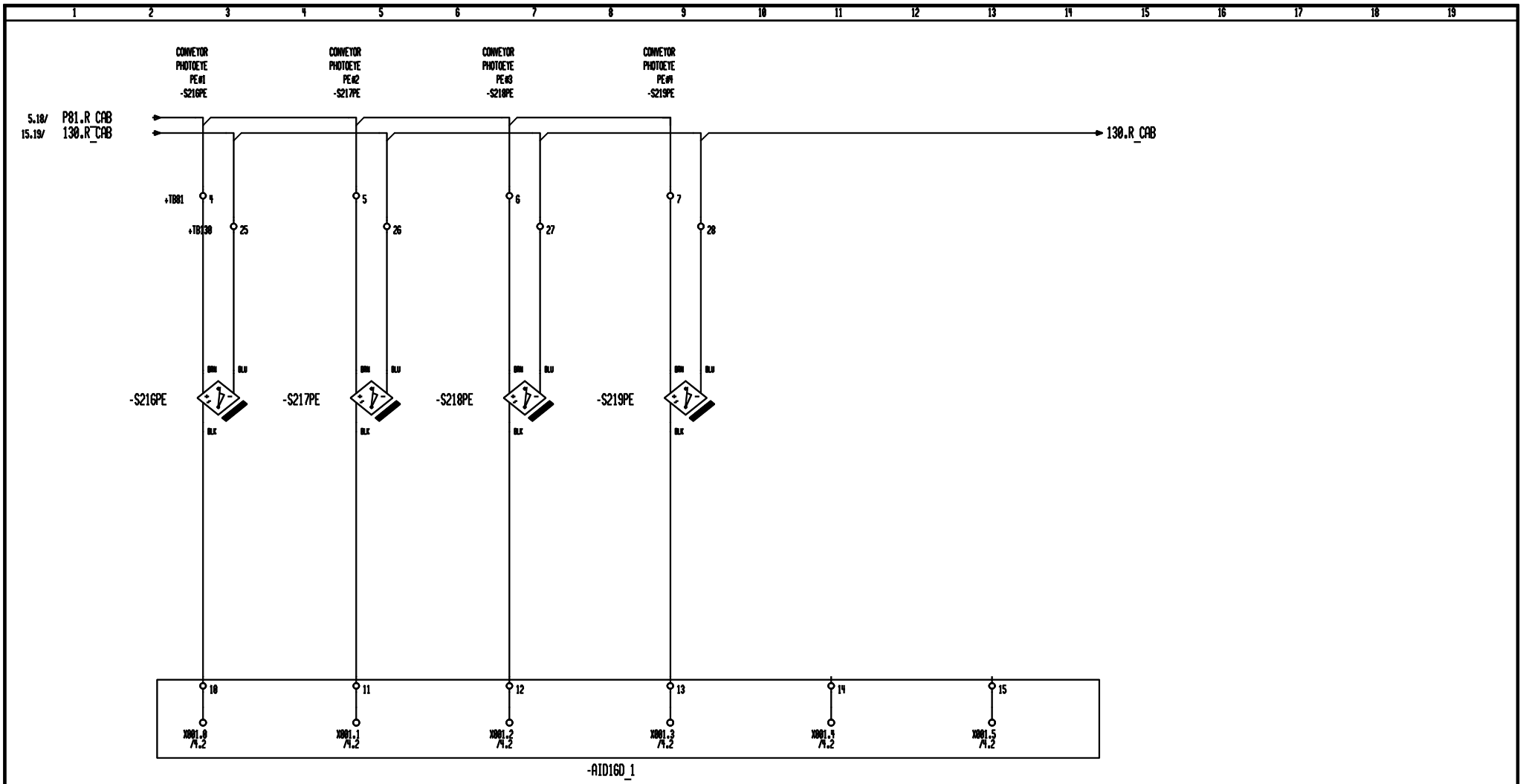
			Revised	21.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

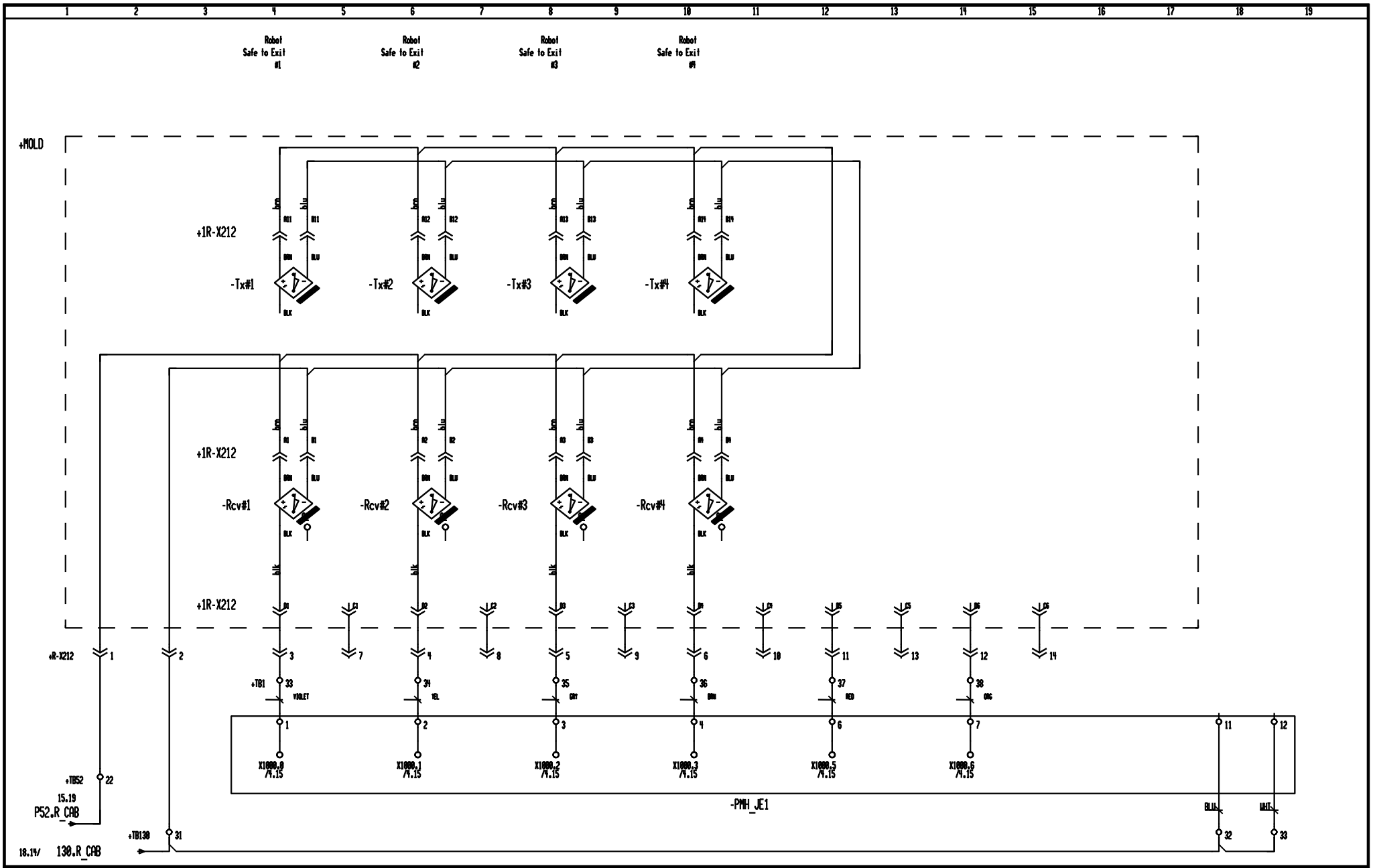
Machine Model: GL300PET P100/110 E120

Description: FLAT BELT CONVEYOR UL STANDARD

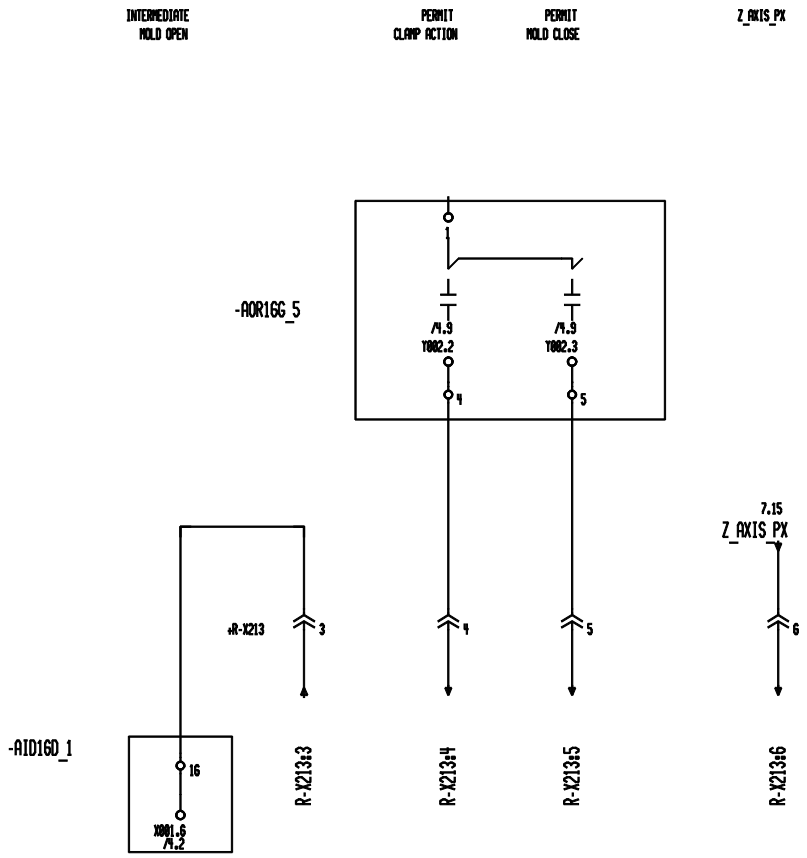
PROJECT	226764	= 15	
MACHINE	2376769	15-14-1-A00	
DRAWING NO.	2385717A	Sheet 17	Total 22



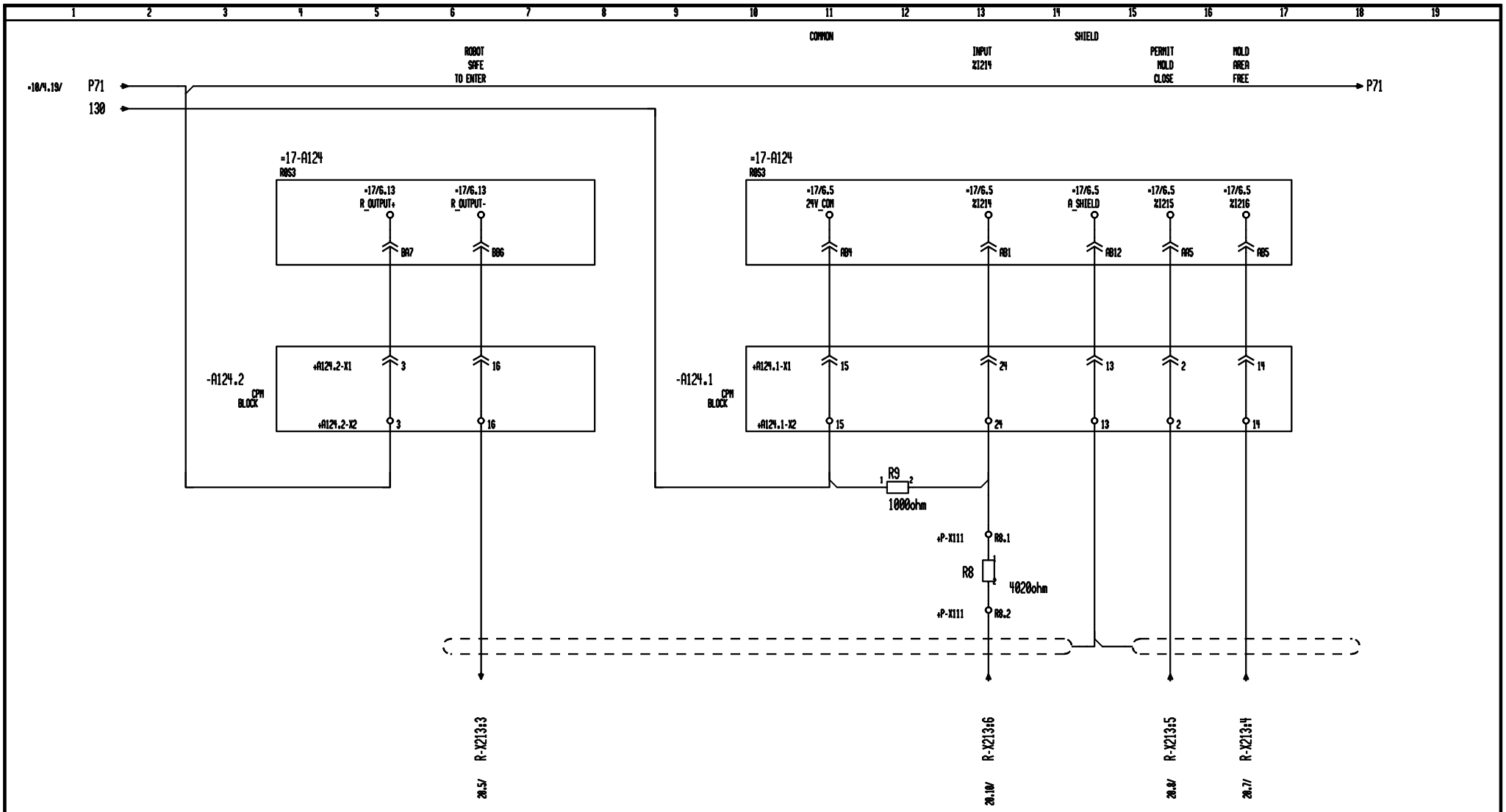
			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: 4 PACK CONVEYOR PHOTOEYES	PROJECT 226764	- 15
			Created by		MPR				MACHINE 2376769	15-10-2-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 18 / Total 22
Revision	Date	Name	Engineer							



			Revised	28.Mar.2001	HPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: PART DETECTION SENSORS 4 UNITS	PROJECT 226764	- 15
			Created by		HPR				MACHINE 2376769	15-19-2-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 19 / Total 22
Revision	Date	Name	Engineer							



			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: FAST E12 - CPM	PROJECT 226764	= 15
			Created by		MPR				MACHINE 2376769	15-20-2-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 20 / Total 22
Revision	Date	Name	Engineer							

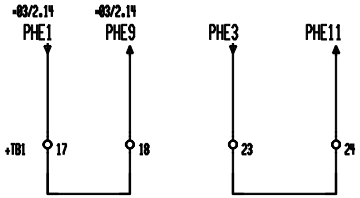


NOTE:

+R-X213 IS AT ROBOT,NEAR MACHINE NON-OPERATOR SIDE,MIDDLE LEG.

+R-X213 IS 32 PIN CONNECTORS.

			Revised	20.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: MACHINE ROBOT INTERFACE	PROJECT 226764	= 15
			Created by		MPR				MACHINE 2376769	15-21-2-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 21 / Total 22
Revision	Date	Name	Engineer							



			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: NO PHE	PROJECT 226764	- 15
			Created by		MPR				MACHINE 2376769	15-25-1-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 22 / Total 22
Revision	Date	Name	Engineer							

THIS PAGE IS INTENTIONALLY LEFT BLANK

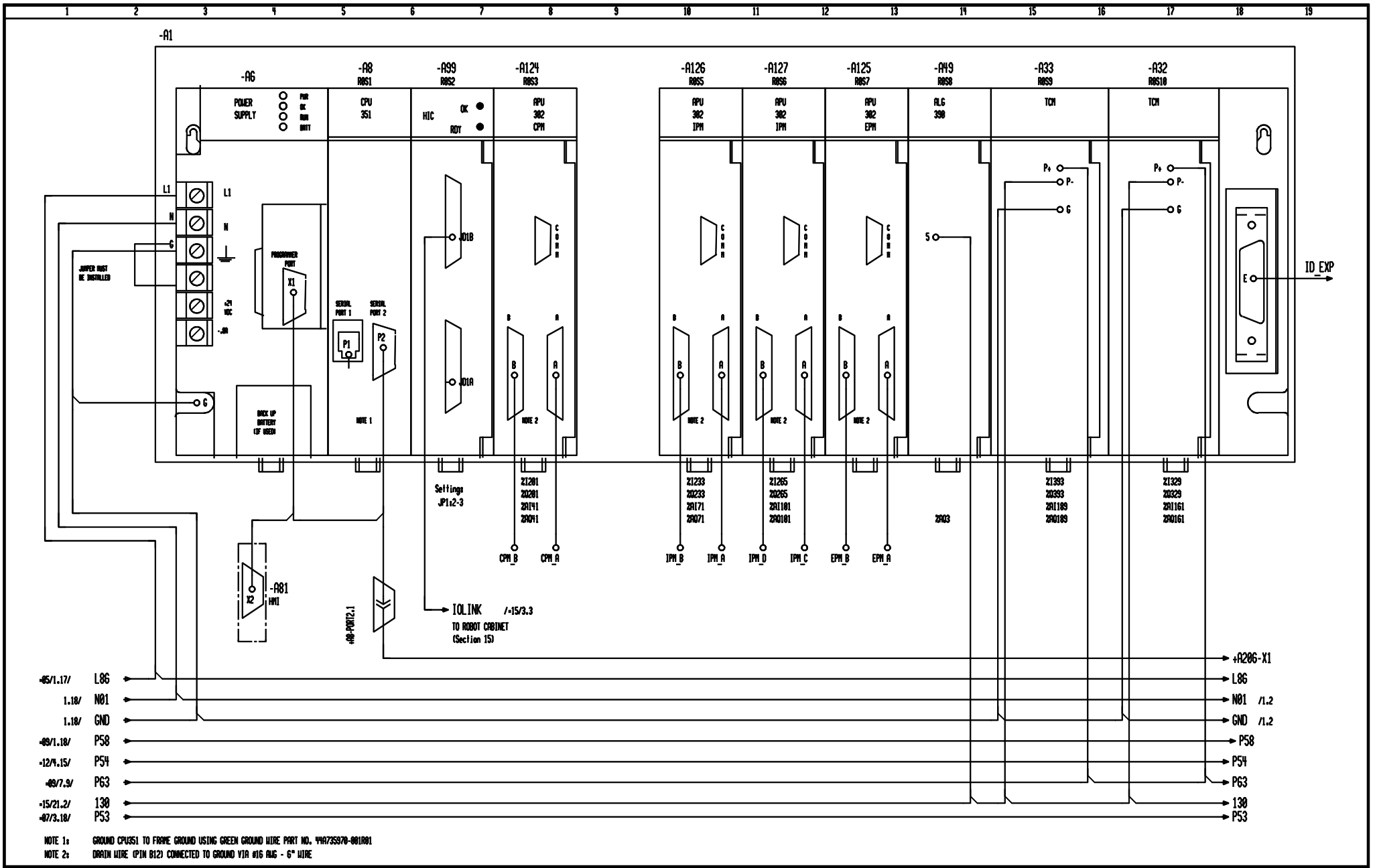
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: BLANK PAGE

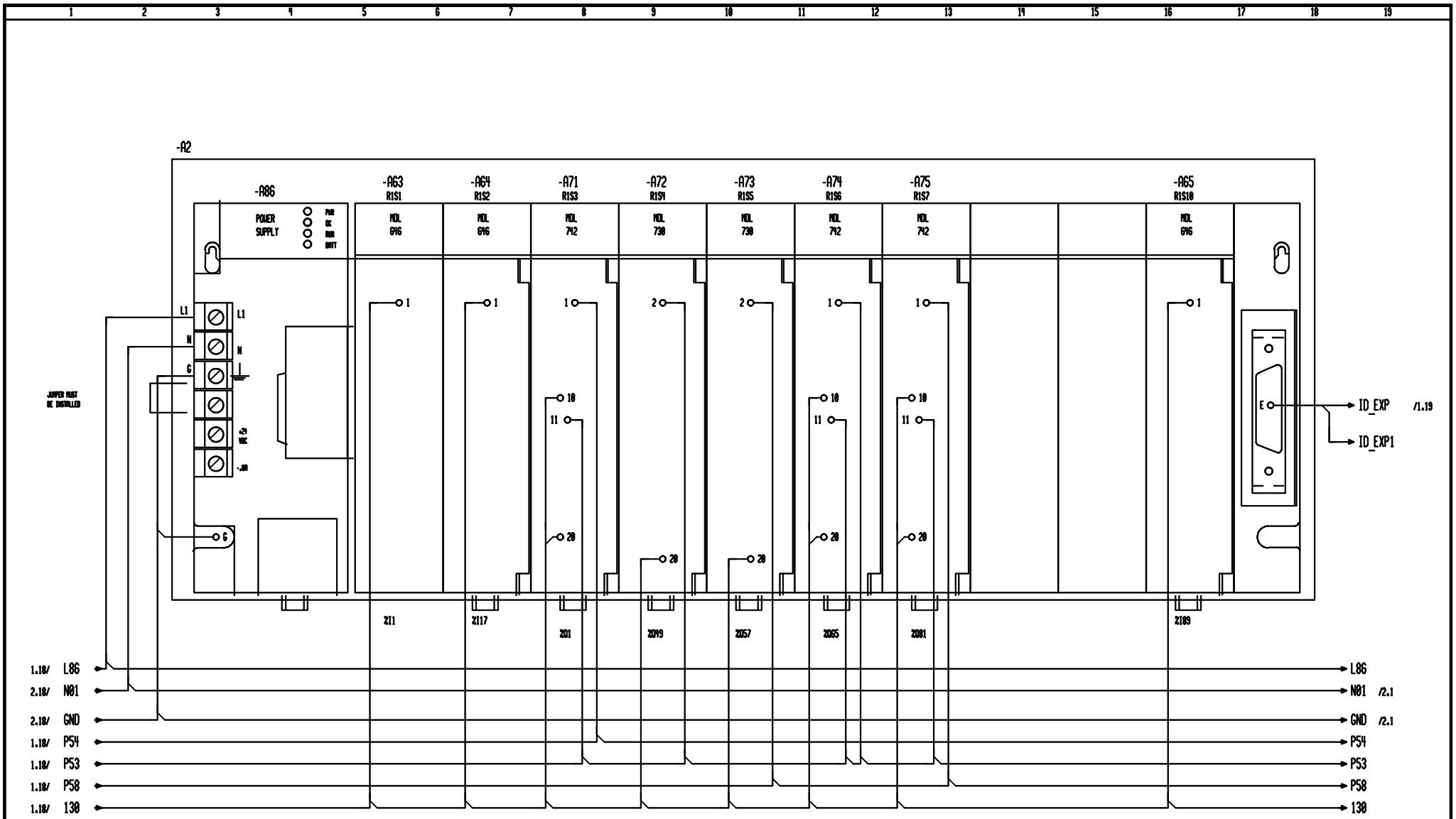
PROJECT	226764	- 16	
MACHINE	2376769	16-01-0-R00	
DRAWING NO.	2385717A	Sheet 1	Total 1



NOTE 1: GROUND CPU351 TO FRAME GROUND USING GREEN GROUND WIRE PART NO. 44A735970-001R01
NOTE 2: DRAIN WIRE (PIN B12) CONNECTED TO GROUND VIA #16 AWG - 6" WIRE

			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: MACHINE PLC MAIN RACK (A1) W/ EPM
			Created by		MPR			
V8			Approved					
Revision	Date	Name	Engineer					

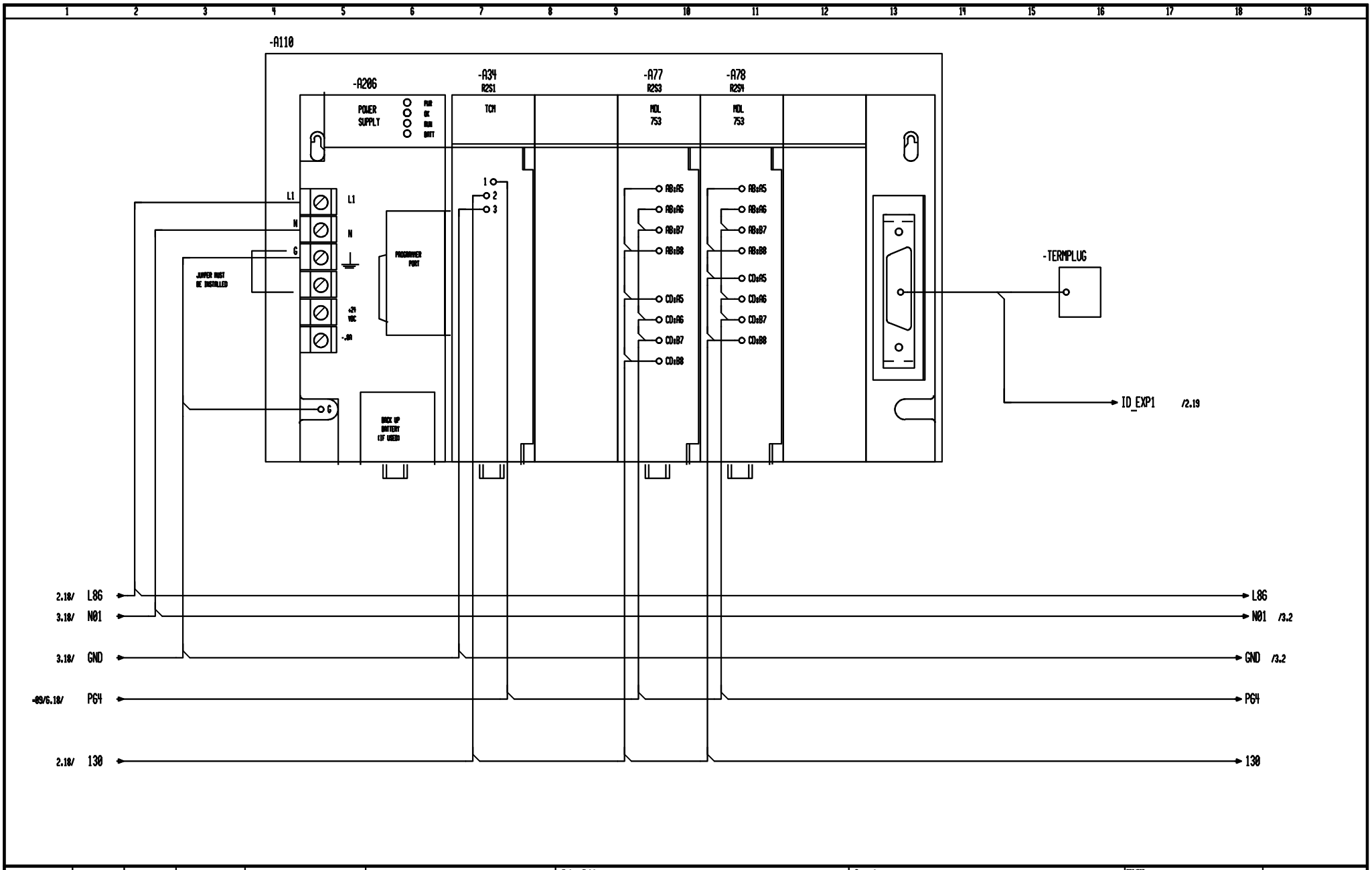
PROJECT	226764	- 17
MACHINE	2376769	17-01-2-A00
DRAWING NO.	2385717A	Sheet 1 / Total 18



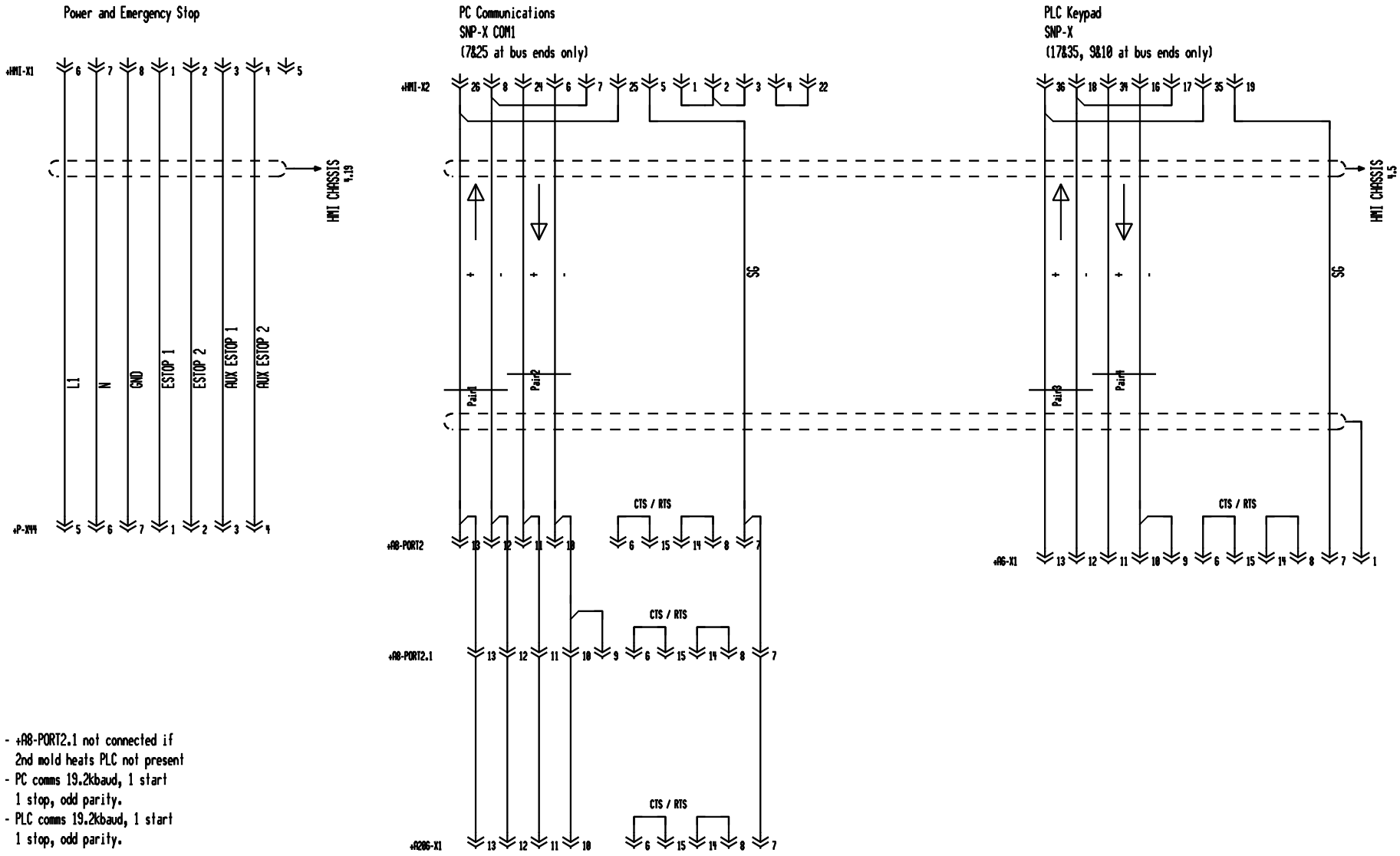
SET RACK DIP SWITCH (BEHIND R1S1)
DIP SWITCH 1 -OPEN, DIP SWITCH 2 -CLOSED, DIP SWITCH 3 -CLOSED

NOTE:DELETE CARD A76 IF NOT CALLED FOR IN ROBOTICS SCHEMATICS IN SECTION -15

			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: MACHINE PLC EXPANSION RACK (A2) W/ MOLD HEAT RACK	PROJECT 226764	- 17
			Created by		MPR				MACHINE 2376769	17-02-3-A00
V8			Approved						DRAWING NO. 2385717A	Sheet 2 / Total 18
Revision	Date	Name	Engineer							

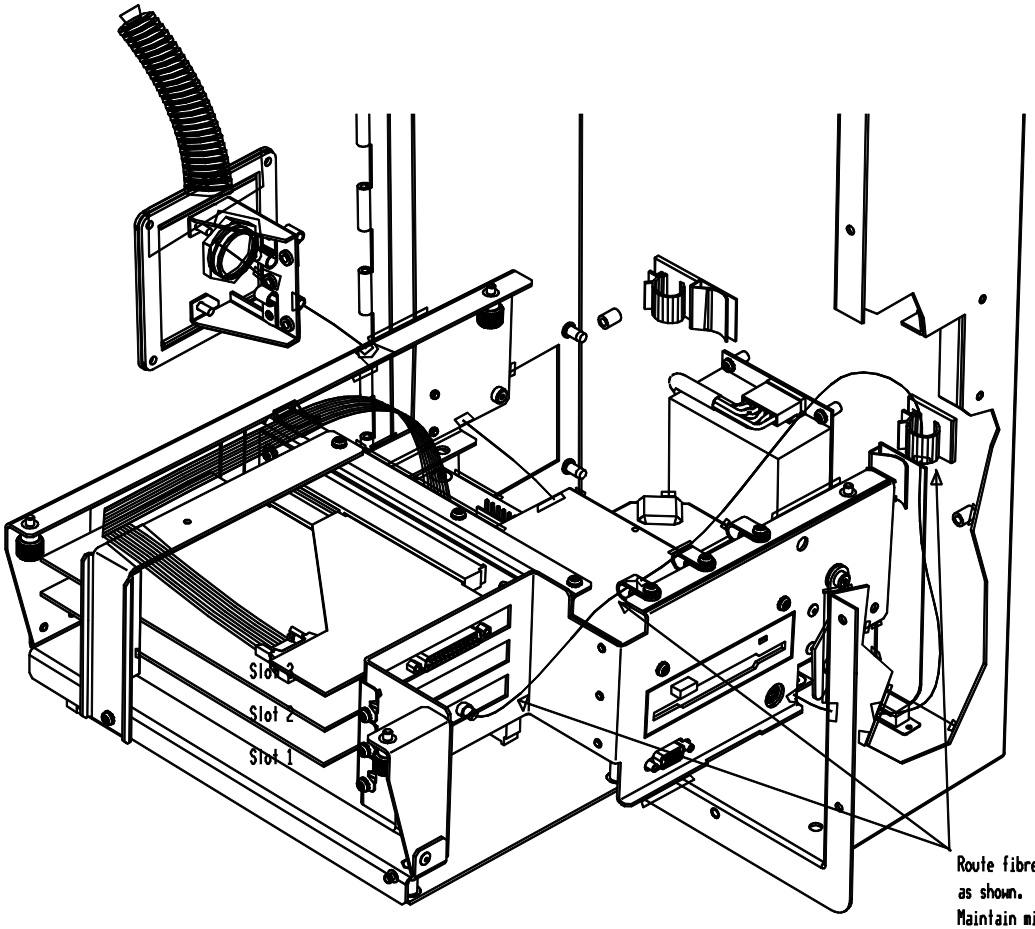


			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: MACHINE PLC MOLD HEAT RACK (A110) 48/56 % TIPS	PROJECT 226764 · 17
			Created by		MPR				MACHINE 2376769 SPECIAL
V8			Approved						DRAWING NO. 2385717A Sheet 3 Total 18
Revision	Date	Name	Engineer						

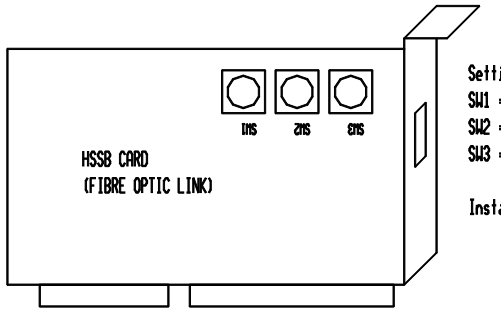


Notes: 1 - +A8-PORT2.1 not connected if
2nd mold heats PLC not present
2 - PC comms 19.2kbaud, 1 start
1 stop, odd parity.
3 - PLC comms 19.2kbaud, 1 start
1 stop, odd parity.

			Revised	21.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: HMI - PLC CABLES	PROJECT 226764	- 17
			Created by		MPR				DRAWING 2376769	17-07-0-R00
V8			Approved						DRAWING NO. 2385717A	Sheet 4 / Total 18
Revision	Date	Name	Engineer							



Route fibre-optic cables
as shown.
Maintain minimum bend
radius of 50mm.



Settings:
SW1 = 8
SW2 = 2
SW3 = 0

Install in slot 1

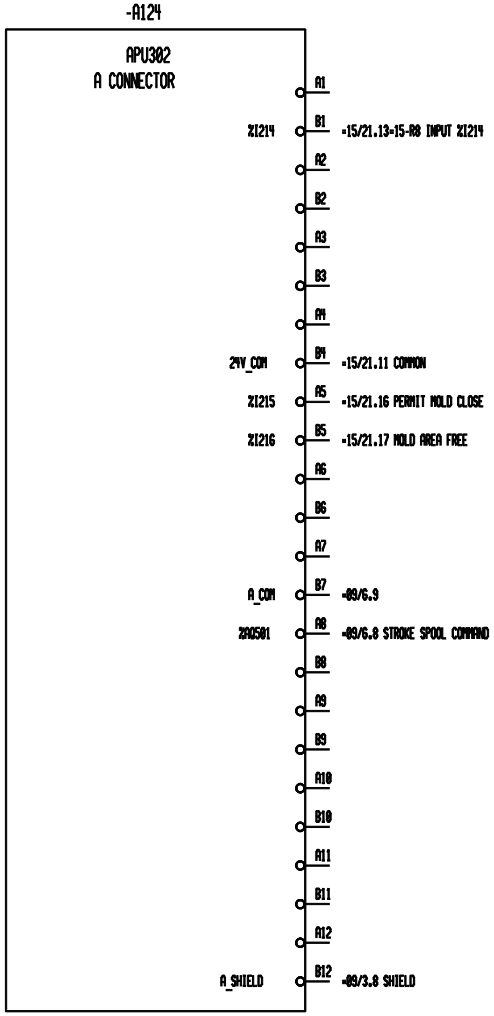
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

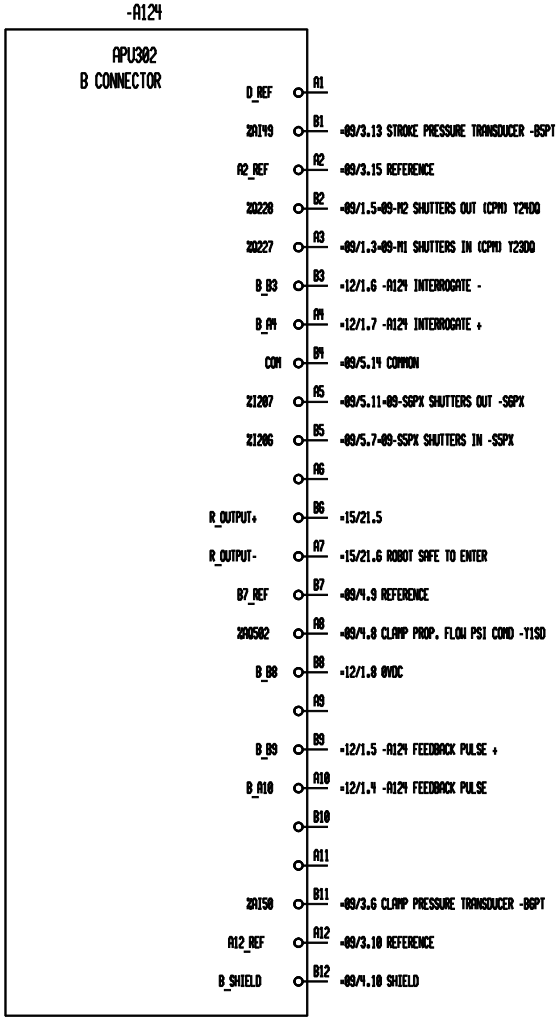
HUSKY

Machine Model: GL300PET P100/110 E120

Description: HMI SLOT ID'S
HSSB CARD JUMPERS
NO HUSKY HOST INTERFACE

PROJECT	226764	- 17	
MACHINE	2376769	17-00-1-R00	
DRAWING NO.	2385717A	Sheet 5	Total 18





			Revised	29.May.2001	MVR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: CPM DETAILS (R0S3) (A124) PHASE II	PROJECT 226764	= 17
			Created by		MVR				MACHINE 2376769	17-09-2-R00
V0			Approved						DRAWING NO. 2385717A	Sheet 6 / Total 18
Revision	Date	Name	Engineer							

INTENTIONALLY BLANK

			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

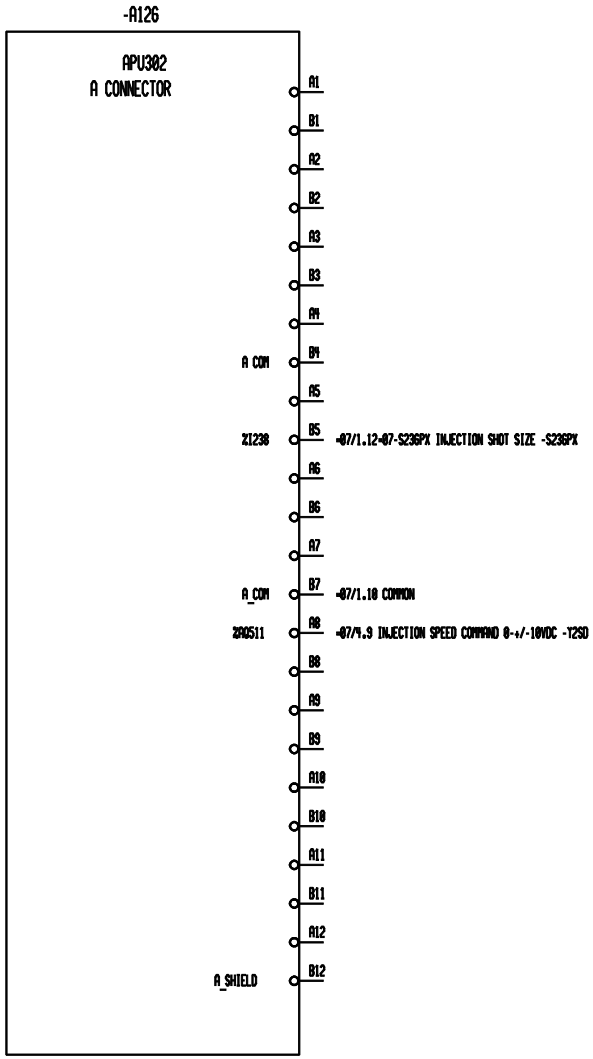
Description: BLANK SLOT (R0S4)

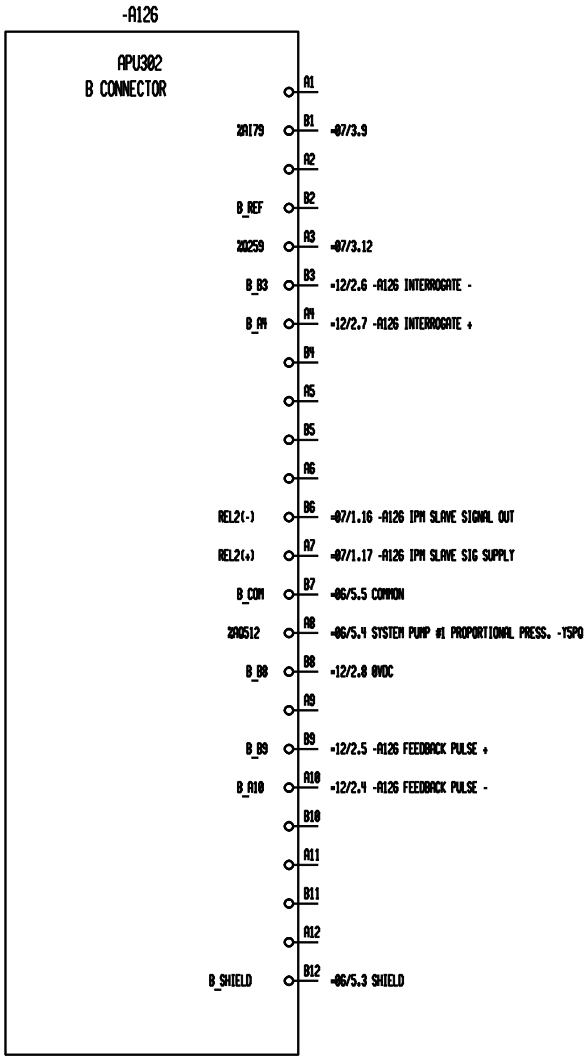
PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A

- 17

17-10-0-R00

Sheet 7 Total 18





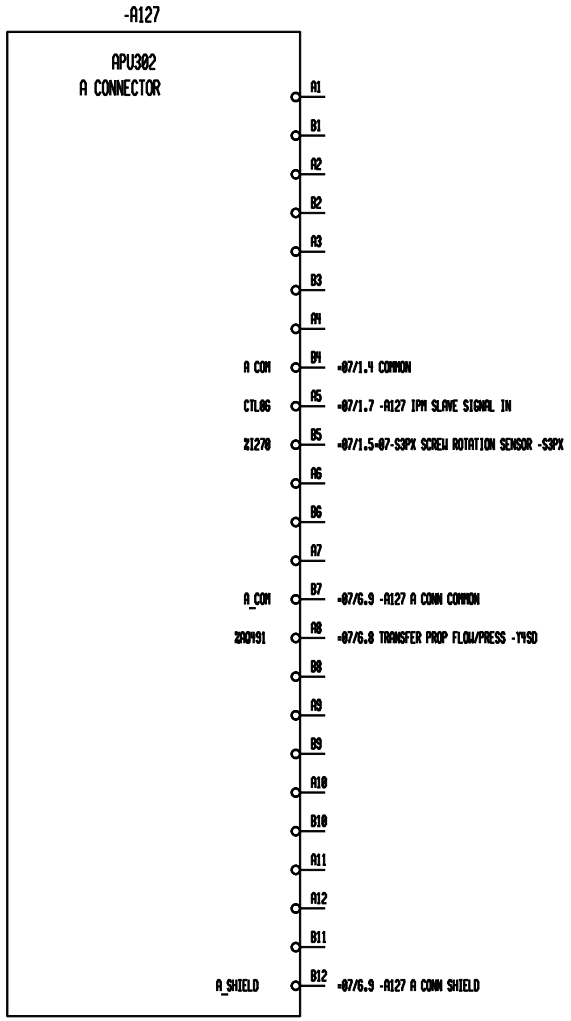
Revision	Date	Name				
			Revised	29.May.2001	MPR	
			Created by		MPR	
V8			Approved			
			Engineer			

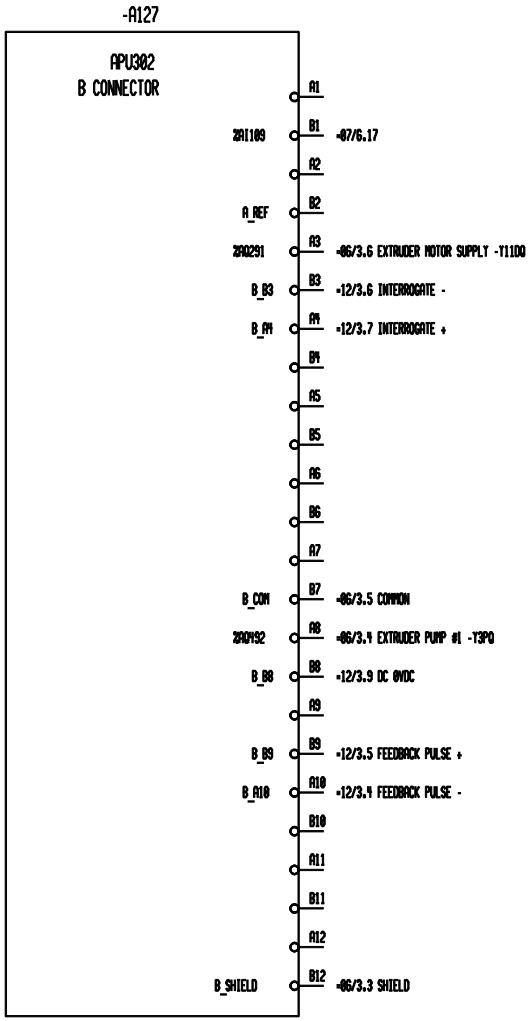
HUSKY

Machine Model: GL300PET P100/110 E120

Description: IPM#1 DETAILS (R0S5) (A126)

PROJECT	226764	- 17	
MACHINE	2376769	17-11-0-R00	
DRAWING NO.	2385717A	Sheet 8	Total 18





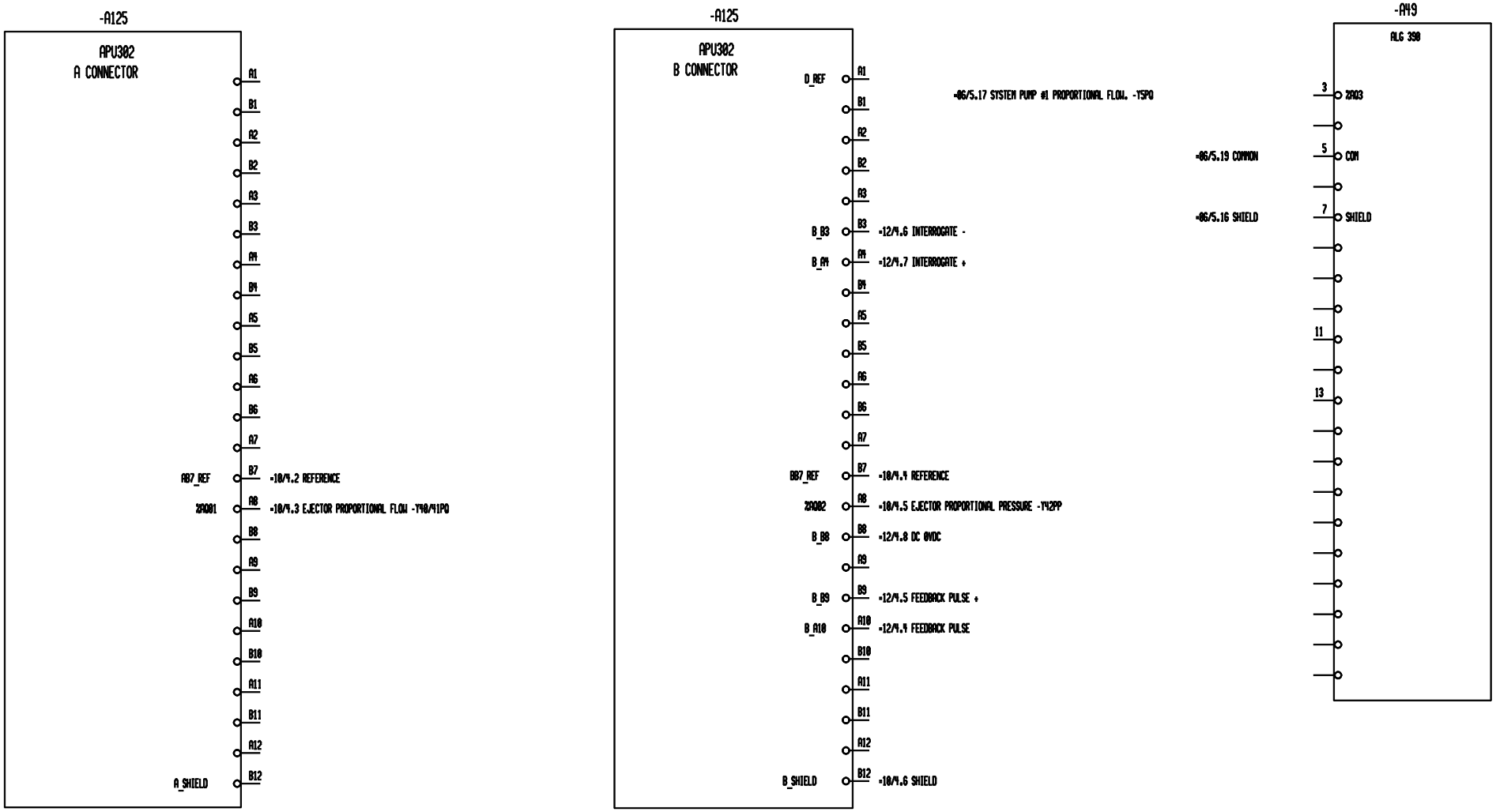
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: IPM#2 DETAILS (R0SG) (A127)

PROJECT	226764	- 17	
MACHINE	2376769	17-12-8-R00	
DRAWING NO.	2385717A	Sheet 9	Total 18



			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: EPM and ALG390 DETAILS (R0S7,8) (A125, 49) W/ EPM	PROJECT 226764 · 17
			Created by		MPR				MACHINE 2376769 17-13-2-R00
V8			Approved						DRAWING NO. 2385717A Sheet 10 Total 18
Revision	Date	Name	Engineer						

-A33

TCM

		INPUTS +A33-I/P	OUTPUTS +A33-O/P		
-13/2.14 RTD	R-	RTD-	24VDC	P+	PG3
-13/2.14	S-	SENSE-	0VDC	P-	130
-13/2.14	S+	SENSE+	GROUND	G	GND
-13/2.15-13-R101	R+	RTD+	NC		
-13/1.16	1+	TC1+	CH1+	1+	-13/1.16-13-K107 1 X 3400W 2 X 1500W
-13/1.17	1-	TC1-	CH1-	1-	-13/1.17
-13/2.2	2+	TC2+	CH2+	2+	-13/2.2-13-K109 2 X 600W
-13/2.3	2-	TC2-	CH2-	2-	-13/2.3
-13/2.4	3+	TC3+	CH3+	3+	-13/2.4-13-K113 1 X 2500W 2 X 3000W
-13/2.5	3-	TC3-	CH3-	3-	-13/2.5
-13/2.6	4+	TC4+	CH4+	4+	-13/2.6-13-K114 4 X 3000W
-13/2.7	4-	TC4-	CH4-	4-	-13/2.7
-13/2.9	5+	TC5+	CH5+	5+	-13/2.9-13-K116 4 X 1200W
-13/2.9	5-	TC5-	CH5-	5-	-13/2.9
-13/2.12	6+	TC6+	CH6+	6+	-13/2.12-13-K110 MAX. 4 X 700W
-13/2.13	6-	TC6-	CH6-	6-	-13/2.13
	7+	TC7+	CH7+	7+	
	7-	TC7-	CH7-	7-	
-06/1.14 OIL TEMPERATURE -B115TC	8+	TC8+	CH8+	8+	-06/1.17-06-K115 OIL COOLING WATER VALVE -K115
-06/1.15	8-	TC8-	CH8-	8-	-06/1.17

-A32

TCM

		INPUTS +A32-I/P	OUTPUTS +A32-O/P		
-13/1.18 RTD	R-	RTD-	24VDC	P+	PG3
-13/1.19	S-	SENSE-	0VDC	P-	130
-13/1.19	S+	SENSE+	GROUND	G	GND
-13/1.19-13-R100	R+	RTD+	NC		
-13/1.2	1+	TC1+	CH1+	1+	-13/1.2-13-K100 2 X 3400W
-13/1.3	1-	TC1-	CH1-	1-	-13/1.3
-13/1.4	2+	TC2+	CH2+	2+	-13/1.4-13-K101 2 X 3400W
-13/1.5	2-	TC2-	CH2-	2-	-13/1.5
-13/1.6	3+	TC3+	CH3+	3+	-13/1.6-13-K102 3 X 3400W
-13/1.7	3-	TC3-	CH3-	3-	-13/1.7
-13/1.8	4+	TC4+	CH4+	4+	-13/1.8-13-K103 2 X 3400W
-13/1.9	4-	TC4-	CH4-	4-	-13/1.9
-13/1.10	5+	TC5+	CH5+	5+	-13/1.10-13-K104 2 X 3400W
-13/1.11	5-	TC5-	CH5-	5-	-13/1.11
-13/1.12	6+	TC6+	CH6+	6+	-13/1.12-13-K105 2 X 3400W
-13/1.13	6-	TC6-	CH6-	6-	-13/1.13
-13/1.14	7+	TC7+	CH7+	7+	-13/1.14-13-K106 3 X 3400W
-13/1.15	7-	TC7-	CH7-	7-	-13/1.15
-07/8.10 INLET RESIN TEMPERATURE -B112TC	8+	TC8+	CH8+	8+	
-07/8.11	8-	TC8-	CH8-	8-	

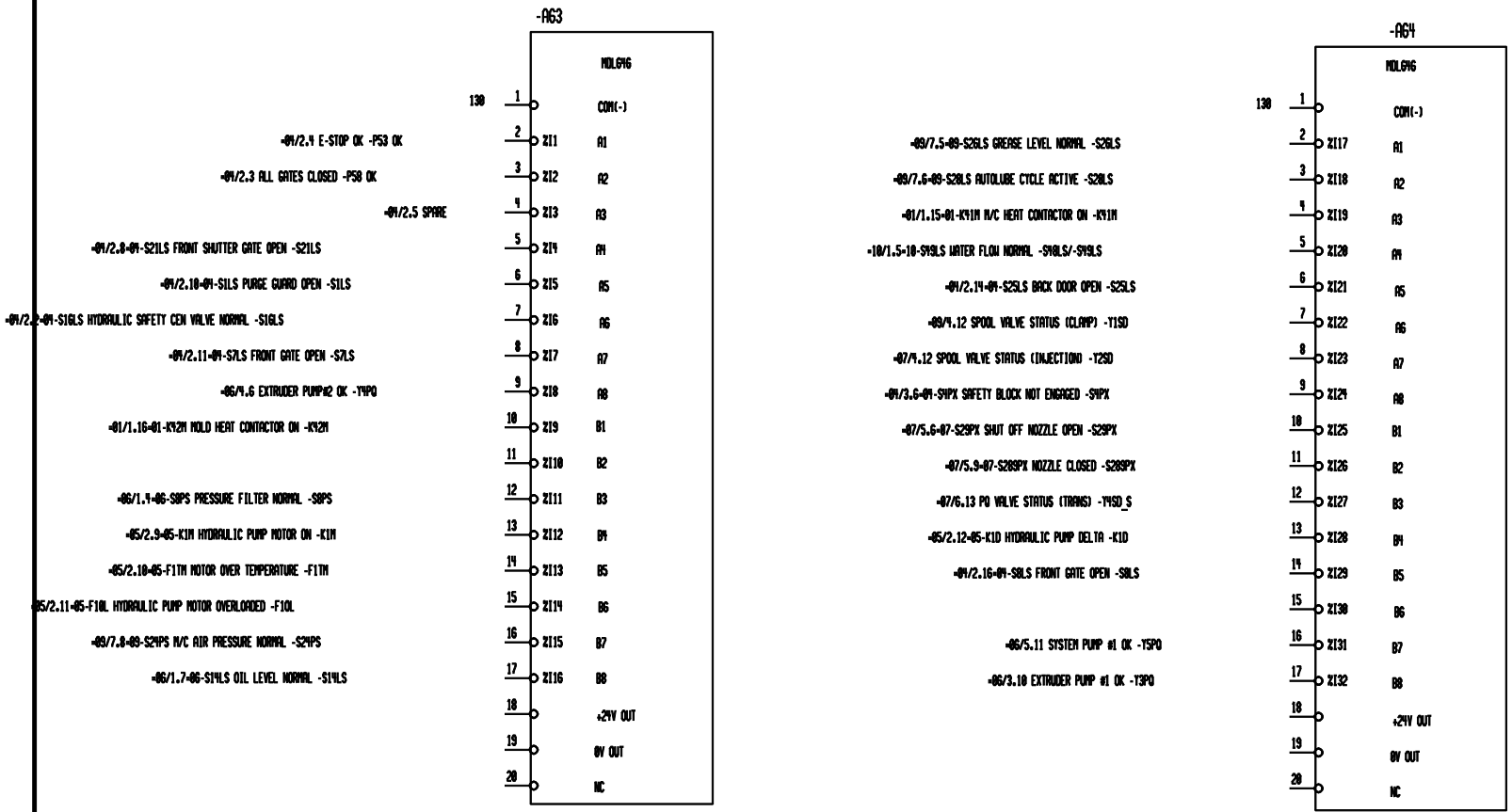
Revision	Date	Name			
			Revised	29.May.2001	MPR
			Created by		MPR
V8			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: TCM DETAILS (R0S9,10) (A33, 32)

PROJECT	226764	- 17	
MACHINE	2376769	17-14-0-R00	
DRAWING NO.	2385717A	Sheet 11	Total 18



			Revised	27.Jun.2001	MMR
			Created by		MMR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

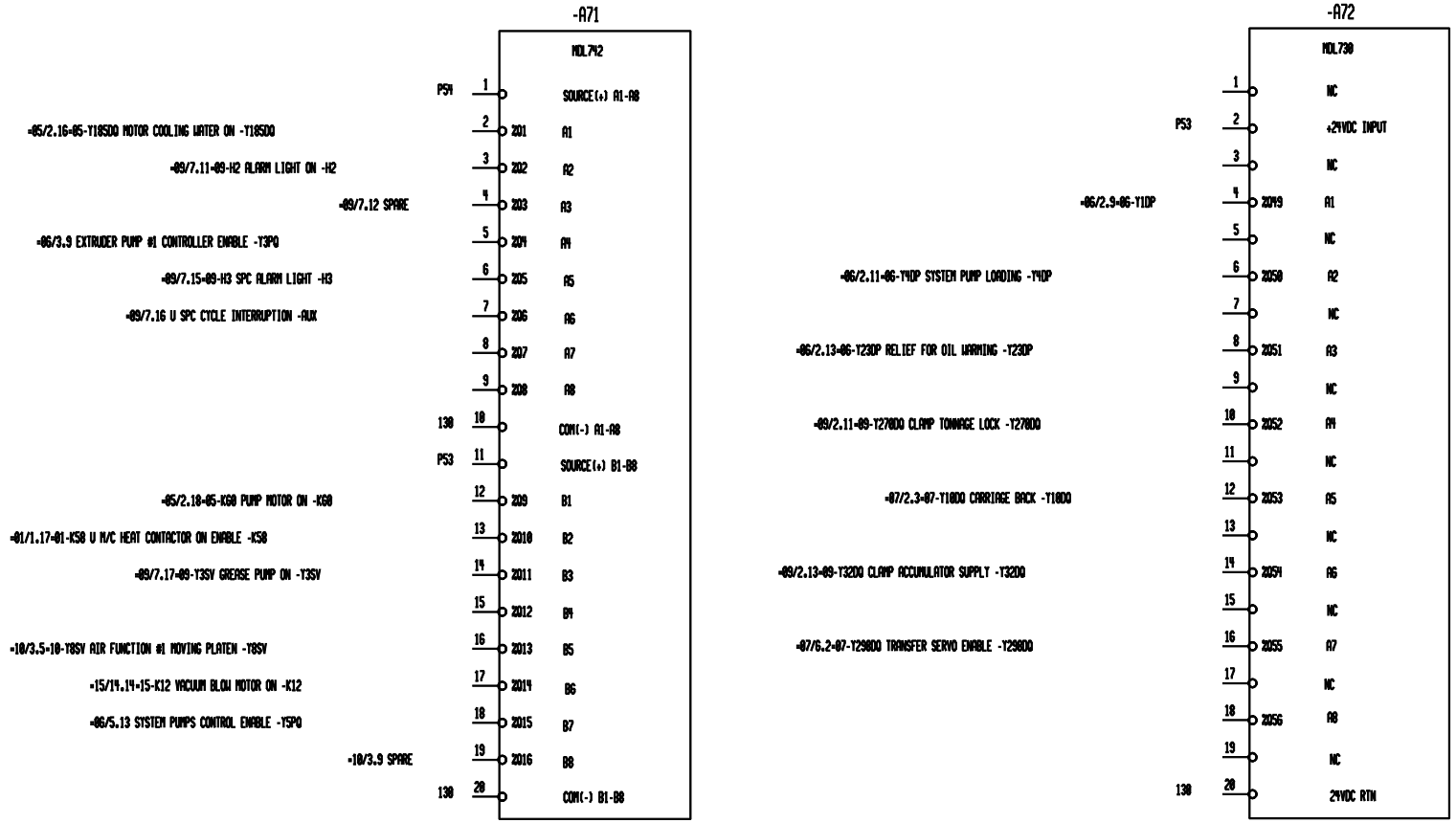
Description: DIGITAL INPUT DETAILS (R1S1,2) (AG3, AG4)

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A

= 17

17-15-0-R00

Sheet 12 Total 18



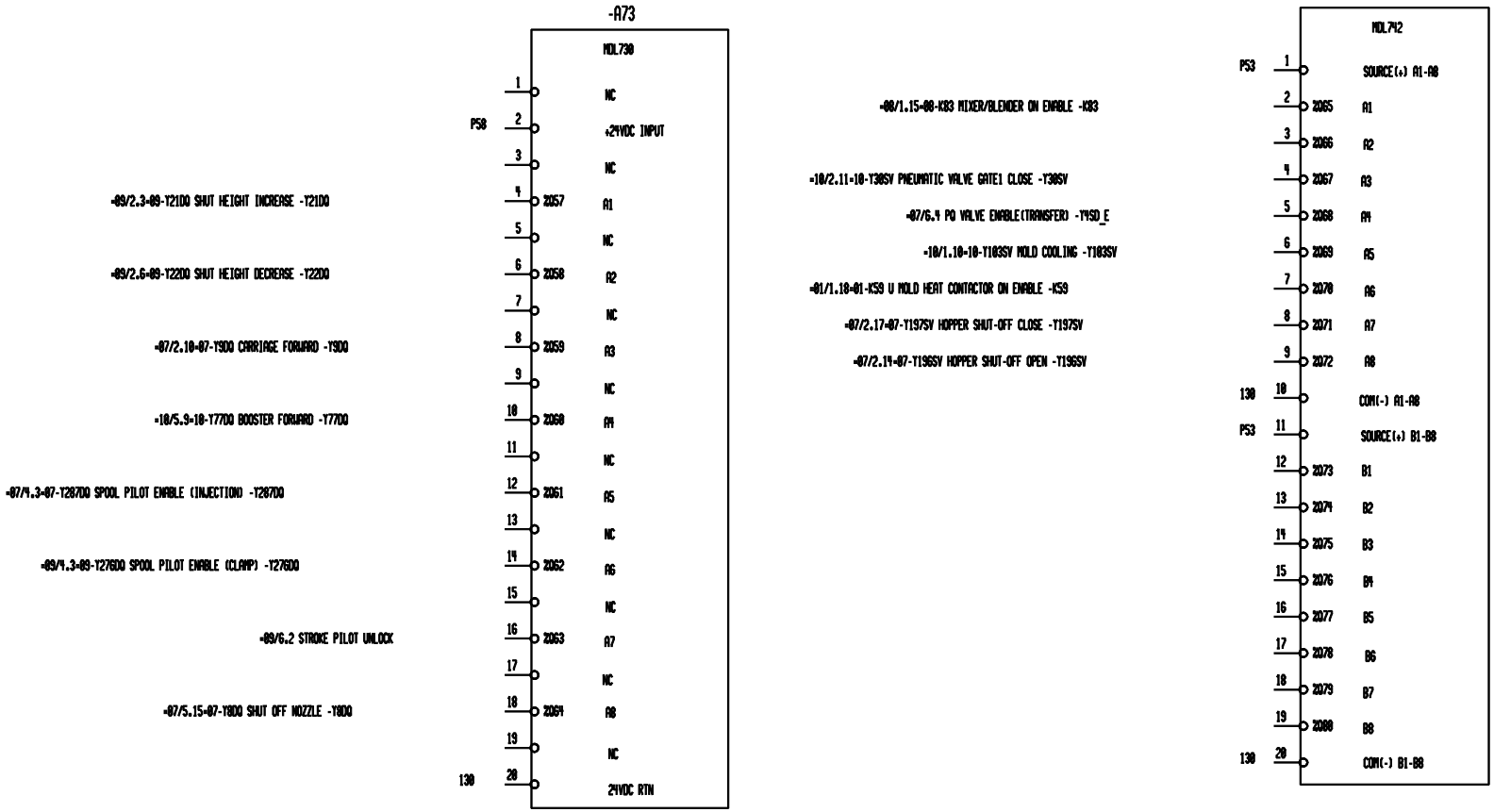
Revision	Date	Name			
			Revised	27.Jun.2001	MPR
			Created by		MPR
V8			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: DIGITAL OUTPUT DETAILS (R1S3,4) (A71, A72)

PROJECT	226764	- 17	
MACHINE	2376769	17-16-0-R00	
DRAWING NO.	2385717A	Sheet 13	Total 18



			Revised	27.Jun.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

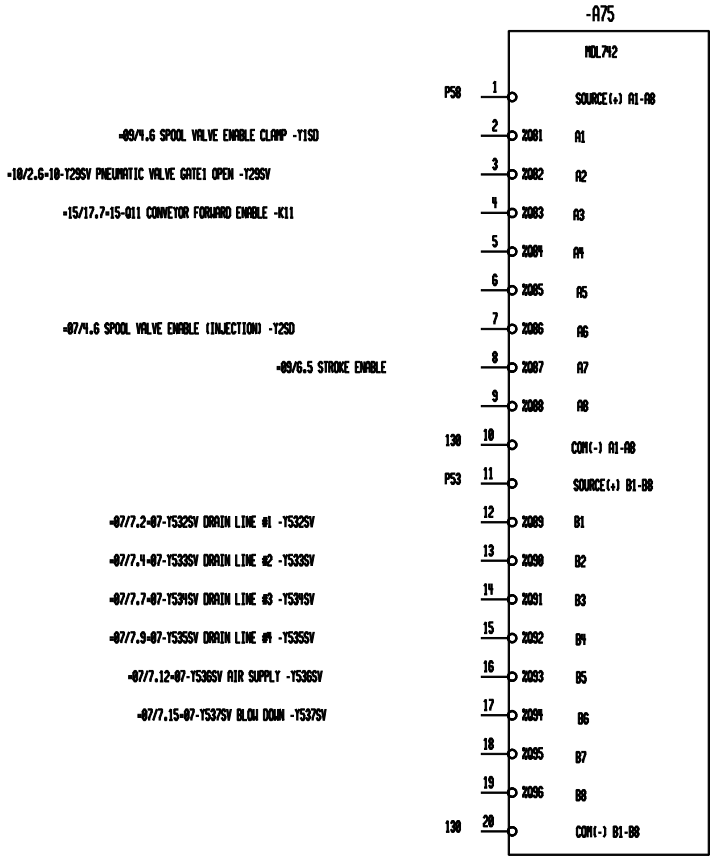
Machine Model: GL300PET P100/110 E120

Description: DIGITAL OUTPUT DETAILS (R1S5,6) (A73, A74)

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A

- 17
17-17-0-H00

Sheet 14 Total 18



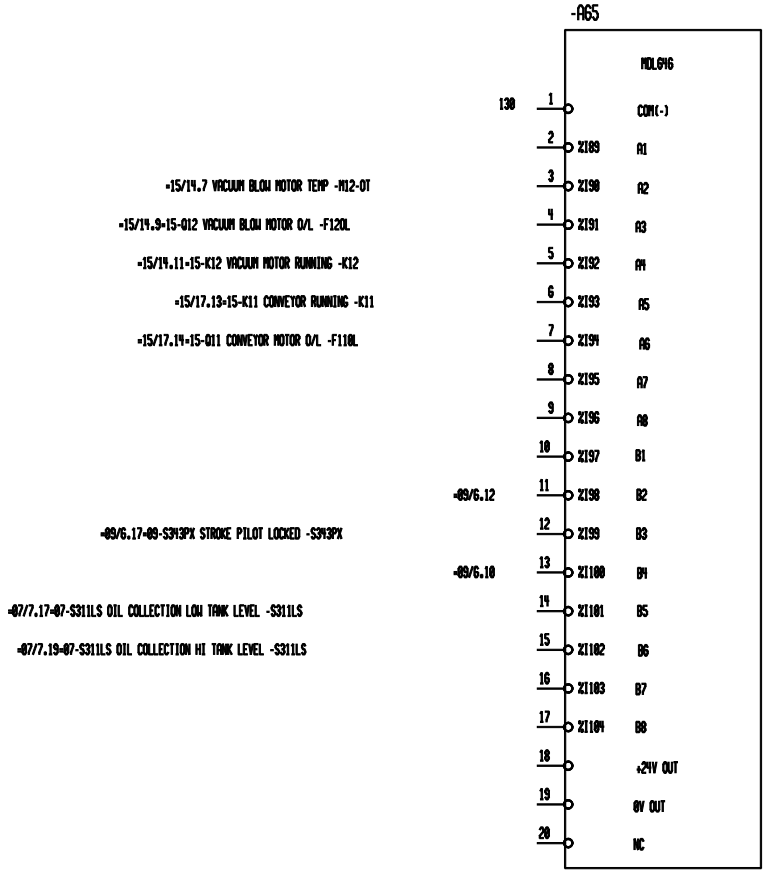
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: DIGITAL I/O DETAILS (R1S7,8) (A75, ---) W/ MOLD HEAT RACK

PROJECT	226764	= 17	
MACHINE	2376769	17-18-3-R00	
DRAWING NO.	2385717A	Sheet 15	Total 18



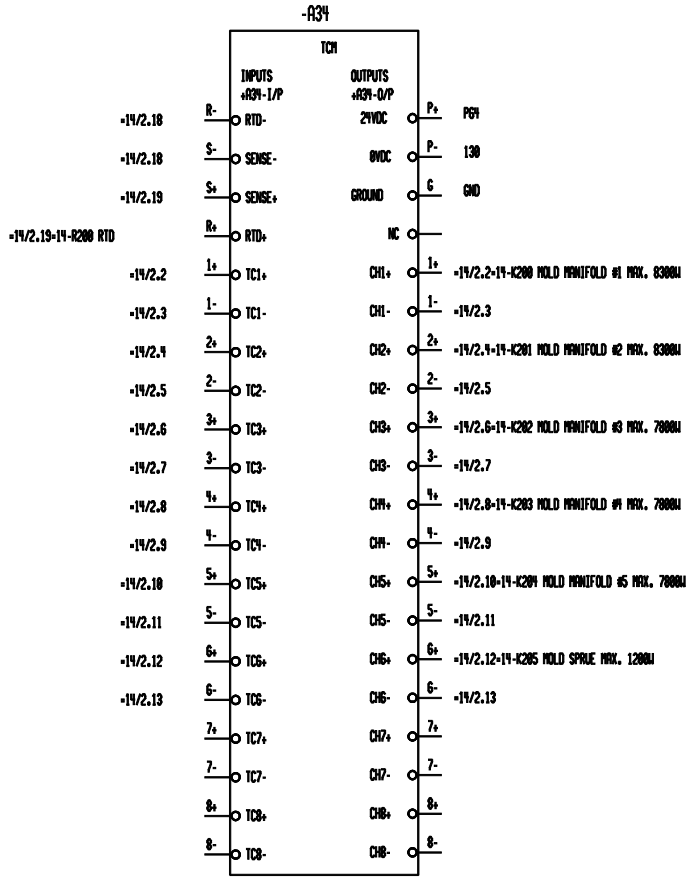
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
Revision	Date	Name	Engineer		

HUSKY

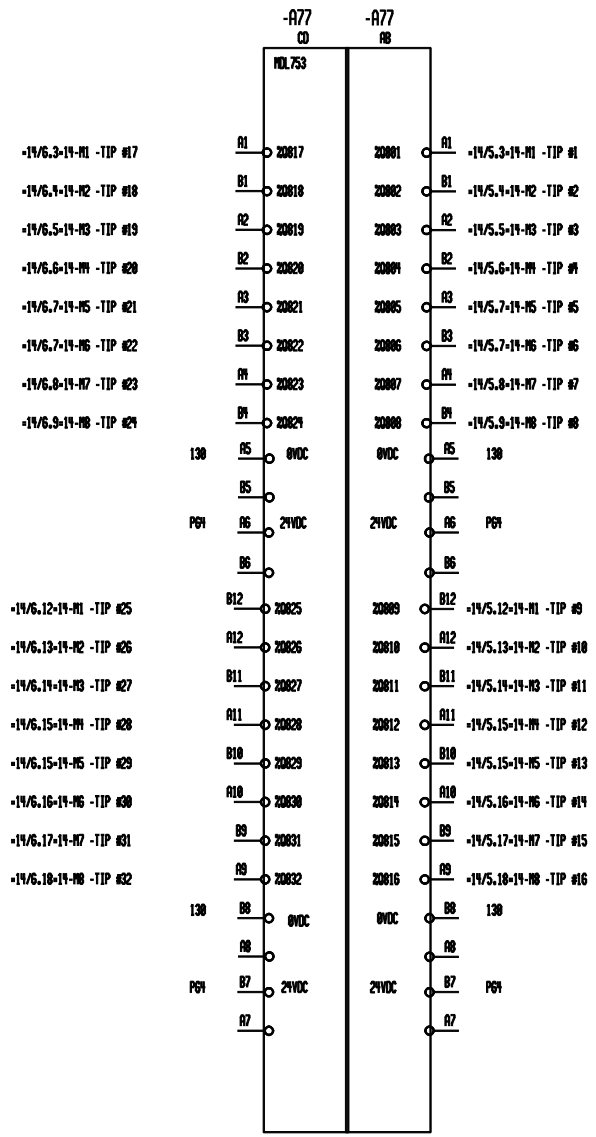
Machine Model: GL300PET P100/110 E120

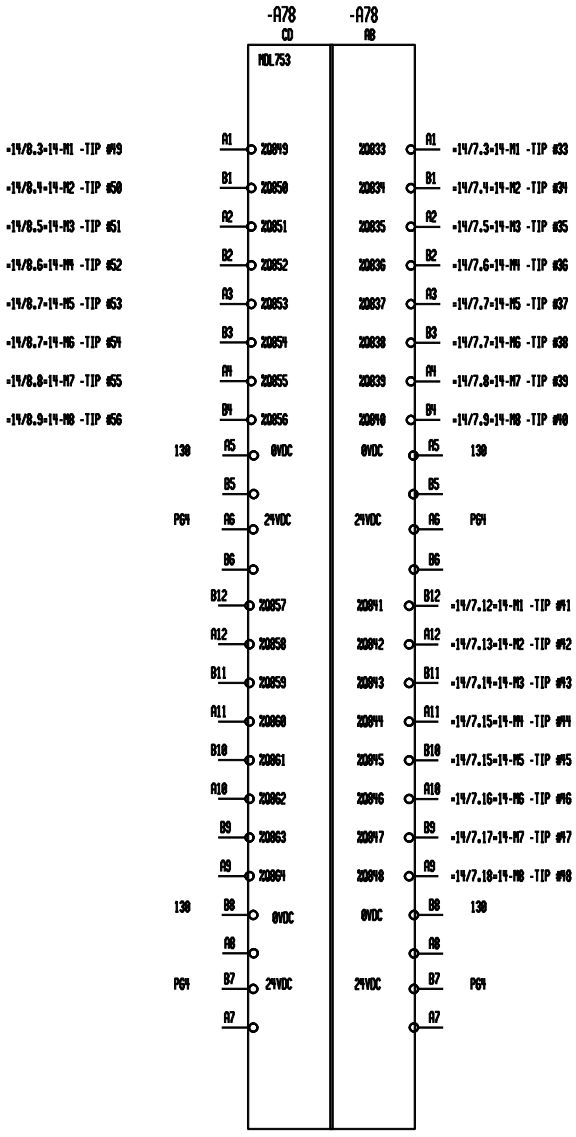
Description: BLANK & DIGITAL INPUT DETAILS (R1S9,10) (--, A65) W/ MOLD HEAT RACK

PROJECT	226764	= 17	
MACHINE	2376769	17-19-3-R00	
DRAWING NO.	2385717A	Sheet 16	Total 18



			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: TCM DETAILS (R2S1,2) (A34, ---) 48/56 % TIPS W/ MOLD HEAT RACK	PROJECT 226764 · 17
			Created by		MPR				WORKORDER 2376769 SPECIAL
V8			Approved						DRAWING NO. 2385717A Sheet 17 Total 18
Revision	Date	Name	Engineer						





			Revised	28.Mar.2001	MPR	HUSKY	Machine Model: GL300PET P100/110 E120	Description: DIGITAL OUTPUT DETAILS (R2S3,4) (A77, A78) 48/56 % TIPS W/ MOLD HEAT RACK	PROJECT 226764 · 17
			Created by		MPR				MACHINE 2376769 SPECIAL
V8			Approved						DRAWING NO. 2385717A Sheet 18 Total 18
Revision	Date	Name	Engineer						

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=00-CABINETNAMEPLATES	=00/3.18	1	NAMEPLATE ELEC. SPECS MACH CABINET			666479
=00-CABINETNAMEPLATES	=00/3.18	1				729517
=00-CABINETNAMEPLATES	=00/3.18	1				729515
=00-X208	=00/9.2	1	RECEPTACLE, CIRCULAR PLASTIC, 37 POS.		AMP#206306-1	729492
=00-X208	=00/9.2	36	SOCKET, 20-24 AWG FOR 37 POSE, CPC CONN.		AMP#66105-4	725952
=00-X1	=00/9.4	1	RECEPTACLE, CIRCULAR PLASTIC, 57 POS.		AMP#206438-1	729491
=00-X1	=00/9.4	56	SOCKET, 20-24 AWG FOR 57 POS. CPC CONN.		AMP#66504-9	729496
=00-X2	=00/9.6	1	RECEPTACLE, CIRCULAR PLASTIC, 37 POS.		AMP#206306-1	729492
=00-X2	=00/9.6	36	SOCKET, 20-24 AWG FOR 37 POSE, CPC CONN.		AMP#66105-4	725952
=00-X3	=00/9.8	1	RECEPTACLE, CIRCULAR PLASTIC, 37 POS.		AMP#206306-1	729492
=00-X3	=00/9.8	36	SOCKET, 20-24 AWG FOR 37 POSE, CPC CONN.		AMP#66105-4	725952
=00-X21	=00/9.12	1	RECEPTACLE, CIRCULAR PLASTIC, 57 POS.		AMP#206438-1	729491
=00-X21	=00/9.12	56	SOCKET, 20-24 AWG FOR 57 POS. CPC CONN.		AMP#66504-9	729496
=00-X4	=00/9.12	1	RECEPTACLE, CIRCULAR PLASTIC, 37 POS.		AMP#206306-1	729492
=00-X4	=00/9.12	36	SOCKET, 20-24 AWG FOR 37 POSE, CPC CONN.		AMP#66105-4	725952
=00-X22	=00/9.14	1	RECEPTACLE, CIRCULAR PLASTIC, 57 POS.		AMP#206438-1	729491
=00-X22	=00/9.14	56	SOCKET, 20-24 AWG FOR 57 POS. CPC CONN.		AMP#66504-9	729496
=00-X5	=00/9.14	1	RECEPTACLE, CIRCULAR PLASTIC, 37 POS.		AMP#206306-1	729492
=00-X5	=00/9.14	6	SOCKET, 20-24 AWG FOR 37 POSE, CPC CONN.		AMP#66105-4	725952
=00-X44	=00/9.16	1	CPC CONNECTOR 7 POS. FEM. RECEPT.		AMP#211398-1	729745
=00-X44	=00/9.16	7	CRIMP CONTACT 18-16 AWG SOCKET		AMP#66101-4	703778
=00-X207	=00/10.2	1	INSERT FEMALE H-BSG		10.1710 H-BSG	637499
=00-X207	=00/10.2	1	HOUSING 16PIN H-BE16 AG		10.0720	637486
=00-X207	=00/10.2	2	KEY-PIN		10.019	637484
=00-X207	=00/10.2	1	INSERT MALE H-BSG		10.1700 H-BS SERIES (G+G))	637497
=00-X207	=00/10.2	1	HOOD SIDE ENTRY H-BE16 1PG21			637487
=00-X207	=00/10.2	1	ADAPTOR PLATE 24 TO 16 POLE CONNECTORS			638675
=00-X207	=00/10.2	4	CABLE 3+G 4AWG 100M		10115	686145
=00-X117	=00/10.2	1	INSERT FEMALE H-BSG		10.1710 H-BSG	637499
=00-X117	=00/10.2	1	HOUSING 16PIN H-BE16 AG		10.0720	637486
=00-X117	=00/10.2	2	KEY-PIN		10.019	637484
=00-X117	=00/10.2	1	INSERT MALE H-BSG		10.1700 H-BS SERIES (G+G))	637497
=00-X117	=00/10.2	1	HOOD SIDE ENTRY H-BE16 1PG21			637487
=00-X117	=00/10.2	1	ADAPTOR PLATE 24 TO 16 POLE CONNECTORS			638675
=00-X117	=00/10.2	4	CABLE 3+G 10AWG			684462
=00-X19	=00/10.2	1	INSERT FEMALE H-A10		10.4411 (H-A10)	202893
=00-X19	=00/10.2	1	PANEL MOUNTING BASE 15 PIN H-A10		10.4420	651349
=00-X19	=00/10.2	2	KEY-PIN		10.019	637484
=00-X19	=00/10.2	1	INSERT MALE H-A10		10.4401	202894
=00-X19	=00/10.2	1	HOOD SIDE ENTRY H-A10 1PG16		10.4450	651352
=00-X19	=00/10.2	1	ADAPTOR PLATE 24 TO 10 POLE CONNECTORS		SZ 2480.	652737
=00-X19	=00/10.2	6	MULTICONDUCTOR CABLE 10/20 SO		1.445	633657
=00-X208	=00/10.4	1	RECEPTACLE, CIRCULAR PLASTIC, 37 POS.		AMP#206306-1	729492
=00-X208	=00/10.4	36	SOCKET, 20-24 AWG FOR 37 POSE, CPC CONN.		AMP#66105-4	725952
=00-X212	=00/10.6	1	INSERT FEMALE H-A16BS (1-16)		10.5310	655437
=00-X212	=00/10.6	1	WALL MOUNTING BASE H-A16 1PG16		10.5671	651353
=00-X212	=00/10.6	2	KEY-PIN		10.019	637484
=00-X212	=00/10.6	1	INSERT MALE H-A16SS (1-16)		10.5300	655435
=00-X212	=00/10.6	1	HOOD SIDE ENTRY H-A16 1PG16			651357

Revision	Date	Name		
			Revised	10.Jun.2001
			Created by	MPR
			Approved	
			Engineer	

HUSKY

Machine Model: GL300PET P100/110 E120

Description:

PROJECT: 226764 - BOM

MACHINE: 2376769

DRAWING NO.: 2385717A

Sheet 1 Total 7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=00-X212	=00/10.6	5	Cable (16 + GND)		18 AWG, 600V GREY PVC	664360
=00-X213	=00/10.6	1	INSERT FEMALE H-A10		10.4411 (H-A10)	202893
=00-X213	=00/10.6	1	PANEL MOUNTING BASE 15 PIN H-A10		10.4420	651349
=00-X213	=00/10.6	2	KEY-PIN		10.019	637484
=00-X213	=00/10.6	1	INSERT MALE H-A10		10.4401	202894
=00-X213	=00/10.6	1	HOOD SIDE ENTRY H-A10 1PG16		10.4450	651352
=00-X213	=00/10.6	1	ADAPTOR PLATE 24 TO 10 POLE CONNECTORS		SZ 2480.	652737
=00-X213	=00/10.6	6	MULTICONDUCTOR CABLE 10/20 SO		1.445	633657
=00-XB	=00/11.8	1	WALL MOUNTING BASE H-BE16 1PG21		10.0740 PG21	635761
=00-XB	=00/11.8	2	KEY-PIN		10.019	637484
=00-XB	=00/11.8	1	INSERT FEMALE H-BS6		10.1710 H-BS6	637499
=00-XE	=00/11.8	1	WALL MOUNTING BASE H-BE16 1PG21		10.0740 PG21	635761
=00-XE	=00/11.8	2	KEY-PIN		10.019	637484
=00-XE	=00/11.8	1	INSERT FEMALE H-BS6		10.1710 H-BS6	637499
=00-XA	=00/11.8	1	WALL MOUNTING BASE H-BE24 1PG21		B8024, 10.1040	635762
=00-XA	=00/11.8	1	INSERT FEMALE H-BE 24 WIRE PROTECTED		10.1970 (H-BE24BS)	637482
=00-XA	=00/11.8	2	KEY-PIN		10.019	637484
=00-XC	=00/11.8	1	WALL MOUNTING BASE H-BE24 1PG21		B8024, 10.1040	635762
=00-XC	=00/11.8	64	FEMALE SLEEVE H-D 0.5 - 1.5 MM2		11.2361	649664
=00-XC	=00/11.8	2	KEY-PIN		10.019	637484
=00-XC	=00/11.8	1	INSERT FEMALE H-D64		11.2710F (HD64B 10A/440V	649662
=00-XD	=00/11.8	1	WALL MOUNTING BASE H-BE24 1PG21		B8024, 10.1040	635762
=00-XD	=00/11.8	64	FEMALE SLEEVE H-D 0.5 - 1.5 MM2		11.2361	649664
=00-XD	=00/11.8	2	KEY-PIN		10.019	637484
=00-XD	=00/11.8	1	INSERT FEMALE H-D64		11.2710F (HD64B 10A/440V	649662
=00-XH	=00/11.8	1	WALL MOUNTING BASE H-BE24 1PG21		B8024, 10.1040	635762
=00-XH	=00/11.8	64	FEMALE SLEEVE H-D 0.5 - 1.5 MM2		11.2361	649664
=00-XH	=00/11.8	2	KEY-PIN		10.019	637484
=00-XH	=00/11.8	1	INSERT FEMALE H-D64		11.2710F (HD64B 10A/440V	649662
=01-Q1M	=01/1.2	1	CIRCUIT BREAKER 500A 600V		LXD63B500	656308
=01-Q1M	=01/1.2	6	Circuit Brkr. Lug JD/FD Frame		TA2J6500	674794
=01-Q1M	=01/1.2	1	Circuit Breaker Handle Kit		CRHOJVD	2288551
=01-Q41	=01/1.3	1	CIRCUIT BREAKER 150A 600V		FXD63B150.	656302
=01-Q41	=01/1.3	6	Circuit Breaker Lug FD Frame		TA1F350	2288576
=01-Q21	=01/1.5	1	CIRCUIT BREAKER 2P 30A 480VAC		ED42B030L	2148753
=01-Q2M	=01/1.8	1	Circuit Breaker 3P 175A 600V		FXD63B175	2268862
=01-Q2M	=01/1.8	6	Circuit Breaker Lug FD Frame		TA1F350	2288576
=01-Q2M	=01/1.8	1				2286231
=01-K43M	=01/1.11	1	Contactor,3-Pole,120VAC Coil.		3RT1023-3AK60	2183040
=01-K43M	=01/1.11	1	Varistor,48-127VAC		3RT1926-1BC00	230131
=01-K43M	=01/1.11	1				218304
=01-K41M	=01/1.12	1	CONTACTOR 55KW 160A 110/120V		3TF5022-0AK6	202625
=01-K41M	=01/1.12	1	Varistor,48-127VAC 70-150 VDC		3TX7 462-3H	230130
=01-K42M	=01/1.14	1	CONTACTOR 50HP 90A 120V		3RT1044-3AK60	2303969
=01-K42M	=01/1.14	1	Varistor,48-127VAC		3RT1926-1BC00	230131
=01-K58	=01/1.17	1	Relay,Control,24VDC Coil.		3RH1140-2BB40	2183758
=01-K58	=01/1.17	1	Surge Suppressor		3RT1916-1DG00	2183003
=01-K59	=01/1.18	1	Relay,Control,24VDC Coil.		3RH1140-2BB40	2183758
=01-K59	=01/1.18	1	Surge Suppressor		3RT1916-1DG00	2183003

Revision	Date	Name		
			Revised	10.Jun.2001
			Created by	MPR
			Approved	
			Engineer	

HUSKY

Machine Model: GL300PET P100/110 E120

Description:

PROJECT 226764 - BOM

MACHINE 2376769

DRAWING NO. 2385717A

Sheet 2 Total 7

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=03-T1	=03/1.4	1	TRANSFORMER,10KVA,P400/480,S115/230		10KVA, P/400-480V, S/115VAC	717570
=03-Q85	=03/2.2	1	CIRCUIT BREAKER 1-P. (C) GA		5SX2106-7	693733
=03-Q86	=03/2.4	1	CIRCUIT BREAKER 1-P. (C) GA		5SX2106-7	693733
=03-A103	=03/2.5	1	HEAT EXCHANGER WATER TO AIR			706686
=03-A104	=03/2.5	1	HEAT EXCHANGER WATER TO AIR			706686
=03-Q88	=03/2.6	1	CIRCUIT BREAKER 1-P. (C) GA		5SX2106-7	693733
=03-Q87	=03/2.9	1	CIRCUIT BREAKER 1-P. (C) GA		5SX2106-7	693733
=03-A81-S1	=03/2.13	1	PUSHB. EM. STOP FRONT ELEMENT		ZB2-BT47	202597
=03-K50	=03/2.15	1	SAFETY RELAY 1-CHAN 2NO 1NC 24VDC		BE5924.02	228332
=03-K51	=03/2.17	1	Contactor,3-Pole,120VAC Coil.		3RT1034-3AK60	2183041
=03-K51	=03/2.17	1	Varistor,48-127VAC		3RT1926-1BC00	230131
=03-K51	=03/2.17	1	Auxiliary Contact Block		3RH1921-1EA11	747038
=03-K52	=03/2.18	1	Contactor,3-Pole,120VAC Coil.		3RT1034-3AK60	2183041
=03-K52	=03/2.18	1	Varistor,48-127VAC		3RT1926-1BC00	230131
=03-K52	=03/2.18	1	Auxiliary Contact Block		3RH1921-1EA11	747038
=03-Q31	=03/3.4	1	CIRCUIT BREAKER 3P 15A 480VAC		ED43B015L	2148793
=03-G1PowerSupply	=03/3.4	1	POWER SUPPLY 400-480/26VDC 40A		GEP1 437-28A10	233379
=03-Q52	=03/4.3	1	CIRCUIT BREAKER 1P 5A 277V		5SX2111-7	2193560
=03-Q54	=03/4.4	1	CIRCUIT BREAKER 1P 13A 277V		5SX2113-7	2193563
=03-Q63	=03/4.5	1	CIRCUIT BREAKER 1P 5A 277V		5SX2111-7	2193560
=03-Q64	=03/4.6	1	CIRCUIT BREAKER 1P 5A 277V		5SX2111-7	2193560
=03-Q65	=03/4.7	1	CIRCUIT BREAKER 1P 5A 277V		5SX2111-7	2193560
=03-Q53	=03/4.12	1	CIRCUIT BREAKER 1P 13A 277V		5SX2113-7	2193563
=03-Q81	=03/4.14	1	CIRCUIT BREAKER 1P 5A 277V		5SX2111-7	2193560
=03-Q58	=03/4.16	1	CIRCUIT BREAKER 1-P. G(C) 10A		5SX2110-7	202539
=03-Q71	=03/4.17	1	CIRCUIT BREAKER 1P 5A 277V		5SX2111-7	2193560
=04-K53	=04/1.13	1	SAFETY RELAY 1-CHAN 2NO 1NC 24VDC		BE5924.02	228332
=04-K54	=04/1.14	1	Contactor,3-Pole,120VAC Coil.		3RT1034-3AK60	2183041
=04-K54	=04/1.14	1	Varistor,48-127VAC		3RT1926-1BC00	230131
=04-K54	=04/1.14	1	Auxiliary Contact Block		3RH1921-1EA11	747038
=04-K54	=04/1.14	1	1-Pole Auxiliary Contact Block.		3RH1921-2CA10	2183044
=04-K54T	=04/1.16	1	Contactor Timing Relay,100-127V AC/DC.		3RT1926-2FK21	2183014
=04-K55	=04/1.17	1	Contactor,3-Pole,120VAC Coil.		3RT1034-3AK60	2183041
=04-K55	=04/1.17	1	Varistor,48-127VAC		3RT1926-1BC00	230131
=04-K55	=04/1.17	1	Auxiliary Contact Block		3RH1921-1EA11	747038
=04-K55	=04/1.17	1	1-Pole Auxiliary Contact Block.		3RH1921-2CA10	2183044
=04-K55T	=04/1.18	1	Contactor Timing Relay,100-127V AC/DC.		3RT1926-2FK21	2183014
=05-Q4	=05/1.3	1	Circuit Breaker,2-Pole 15A		CQD215	2181440
=05-F1OL	=05/1.6	1	OVERLOAD RELAY 120 - 150A		3UA6200-3K	202420
=05-F1TM	=05/1.14	1	TRIPPING UNIT, PTC, 115 VOLT		3RN1010-1CG00	709526
=05-K1M	=05/2.3	1	CONTACTOR 132KW300A 110/120V		3TF5422-0AK6	202626
=05-K1M	=05/2.3	1	Varistor,48-127VAC 70-150 VDC		3TX7 462-3H	230130
=05-K1T	=05/2.4	1	RELAY TIMER SINGLE FUNCTION Y-DELTA MOTOR STA		243021302	737296
=05-K1Y	=05/2.6	1	CONTACTOR 90KW 200A 110/120V		3TF5222-0AK6	202556
=05-K1Y	=05/2.6	1	Varistor,48-127VAC 70-150 VDC		3TX7 462-3H	230130
=05-K1D	=05/2.7	1	CONTACTOR 132KW300A 110/120V		3TF5422-0AK6	202626
=05-K1D	=05/2.7	1	Varistor,48-127VAC 70-150 VDC		3TX7 462-3H	230130
=05-P1	=05/2.12	1	Hour Counter 10-80VDC		7KT5 551	2203751
=05-K61	=05/2.13	1	Relay,Control,24VDC Coil.		3RH1140-2BB40	2183758

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=05-K61	=05/2.13	1	Surge Suppressor		3RT1916-1DG00	2183003
=05-K60	=05/2.18	1	Relay,Control,24VDC Coil.		3RH1140-2BB40	2183758
=05-K60	=05/2.18	1	Surge Suppressor		3RT1916-1DG00	2183003
=06-K115	=06/1.17	1	RELAY, 15A, 1P, 24VDC		LY1N-D2	711708
=06-K115	=06/1.17	2	RELAY MOUNTING CLIP		PYC-A1	202835
=06-K115	=06/1.17	1	SOCKET, RELAY 10A		PTF08A-E	711580
=06-A154	=06/3.2	1	AMPLIFIER CARD FOR PQ VALVE		VT5041-23/I-0V	713987
=06-A154	=06/3.2	1	AMPLIFIER PUMP CONTROL CARD HOLDER		VT-3002-23/32	712448
=06-A213-M3	=06/3.16	1	SS RELAY 3A 240VAC 24VDC LOGIC		70YY23357	738077
=06-A213-M3	=06/3.16	1	FUSE 3.15A 250V LITTLE FUSE#2173.15		2173.15	738143
=06-A153	=06/4.2	1	AMPLIFIER CARD FOR PQ VALVE		VT5041-23/I-0V	713987
=06-A153	=06/4.2	1	AMPLIFIER PUMP CONTROL CARD HOLDER		VT-3002-23/32	712448
=06-A123	=06/5.2	1	AMPLIFIER CARD FOR PQ VALVE		VT5041-23/I-0V	713987
=06-A123	=06/5.2	1	AMPLIFIER PUMP CONTROL CARD HOLDER		VT-3002-23/32	712448
=06-R2	=06/5.8	1	Resistor, Carbon,500 OHM 1 W 1%			720945
=07-R3	=07/3.10	1	Resistor, Carbon,500 OHM 1 W 1%			720945
=07-C3	=07/3.10	1	Capacitor 22uF		SKA220M025	2251995
=07-A213-M4	=07/3.12	1	SS RELAY 3A 240VAC 24VDC LOGIC		70YY23357	738077
=07-A213-M4	=07/3.12	1	FUSE 3.15A 250V LITTLE FUSE#2173.15		2173.15	738143
=07-R22	=07/6.17	1	Resistor, Carbon,500 OHM 1 W 1%			720945
=07-C22	=07/6.18	1	Capacitor 22uF		SKA220M025	2251995
=08-X201	=08/1.3	1	FEMALE SLEEVE H-D 0.5 - 1.5 MM2		11.2361	649664
=08-X201	=08/1.3	1	RECEPTACLE 10 PIN 10.1930		10.1930-H-BE (PINS 1-10)	693238
=08-Q62	=08/1.7	0	CIRCUIT BREAKER 2-P. (C) GA		5SX220G-7	693741
=08-K83	=08/1.15	1	RELAY W/SURGE SUPPRESSION 3PDT		LY3-D-DC24	744044
=08-K83	=08/1.15	2	RELAY MOUNTING CLIP		PYC-A1	202835
=08-K83	=08/1.15	1	RELAY SOCKET 3PDT		PTF11A	744046
=09-A213-M1	=09/1.3	1	SS RELAY 3A 240VAC 24VDC LOGIC		70YY23357	738077
=09-A213-M1	=09/1.3	1	FUSE 3.15A 250V LITTLE FUSE#2173.15		2173.15	738143
=09-A213-M2	=09/1.5	1	SS RELAY 3A 240VAC 24VDC LOGIC		70YY23357	738077
=09-A213-M2	=09/1.5	1	FUSE 3.15A 250V LITTLE FUSE#2173.15		2173.15	738143
=09-R6	=09/3.9	1	Resistor, Carbon,500 OHM 1 W 1%			720945
=09-C6	=09/3.9	1	Capacitor 22uF		SKA220M025	2251995
=09-R5	=09/3.15	1	Resistor, Carbon,500 OHM 1 W 1%			720945
=13-Q100	=13/1.2	1	Circuit Breaker,2-Pole 20A , 480VAC 250VDC		ED42B020	2181667
=13-K100	=13/1.2	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q101	=13/1.4	1	Circuit Breaker,2-Pole 20A , 480VAC 250VDC		ED42B020	2181667
=13-K101	=13/1.4	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q102	=13/1.6	1	CIRCUIT BREAKER 2P 30A 480VAC		ED42B030L	2148753
=13-K102	=13/1.6	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q103	=13/1.8	1	Circuit Breaker,2-Pole 20A , 480VAC 250VDC		ED42B020	2181667
=13-K103	=13/1.8	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q104	=13/1.10	1	Circuit Breaker,2-Pole 20A , 480VAC 250VDC		ED42B020	2181667
=13-K104	=13/1.10	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q105	=13/1.12	1	Circuit Breaker,2-Pole 20A , 480VAC 250VDC		ED42B020	2181667
=13-K105	=13/1.12	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q106	=13/1.14	1	CIRCUIT BREAKER 2P 30A 480VAC		ED42B030L	2148753
=13-K106	=13/1.14	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q107	=13/1.16	1	Circuit Breaker,2-Pole 20A , 480VAC 250VDC		ED42B020	2181667

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=13-K107	=13/1.16	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-R100	=13/1.19	1	RTD Probe		S20239PDZ4	706491
=13-Q109	=13/2.2	1	Circuit Breaker,2-Pole 15A , 480VAC 250VDC		ED42B015	2181661
=13-K109	=13/2.2	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q113	=13/2.4	1	CIRCUIT BREAKER 2P 25A 480VAC		ED42B025L	2145777
=13-K113	=13/2.4	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q114	=13/2.6	1	CIRCUIT BREAKER 2P 30A 480VAC		ED42B030L	2148753
=13-K114	=13/2.6	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q116	=13/2.9	1	Circuit Breaker,2-Pole 15A , 480VAC 250VDC		ED42B015	2181661
=13-K116	=13/2.9	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-Q110	=13/2.12	1	Circuit Breaker,2-Pole 15A , 480VAC 250VDC		ED42B015	2181661
=13-K110	=13/2.12	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=13-R101	=13/2.15	1	RTD Probe		S20239PDZ4	706491
=14-Q200	=14/2.2	1	2-POLE CIRCUIT BREAKER 40A 240V		QCR2040	744019
=14-K200	=14/2.2	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=14-Q201	=14/2.4	1	2-POLE CIRCUIT BREAKER 40A 240V		QCR2040	744019
=14-K201	=14/2.4	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=14-Q202	=14/2.6	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-K202	=14/2.6	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=14-Q203	=14/2.8	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-K203	=14/2.8	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=14-Q204	=14/2.10	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-K204	=14/2.10	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=14-Q205	=14/2.12	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-K205	=14/2.12	1	SOLID STATE RELAY 50A 480V		RA4850-D12	654180
=14-R200	=14/2.19	1	RTD Assembly			739842
=14-Q400	=14/4.3	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-Q401	=14/4.5	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-Q402	=14/4.7	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-Q403	=14/4.9	1	CIRCUIT BREAKER 2P 35A		QCR2035	732960
=14-A300	=14/5.1	1	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=14-A301	=14/5.10	0	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=14-A302	=14/6.1	1	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=14-A303	=14/6.10	1	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=14-A304	=14/7.1	1	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=14-A305	=14/7.10	1	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=14-A306	=14/8.1	1	8X SS RELAY BOARD L-L SUPPLY		G9YY16077-2	730711
=15-Q25	=15/1.4	1				SEE TABLE
=15-T5	=15/1.4	1	TRANSFORMER, 3PH, 7.5KVA, NEMA 12		18382SE12P	719566
=15-A23	=15/2.8	1	ALPHA SERVO AMPLIFIER (SVU1-130)		A06B-6083-H106	706683
=15-A23	=15/2.8	1	POWER MATE J COMMAND CA		44C742196-001	700332
=15-HMI	=15/2.11	1				740264
=15-HMI	=15/2.11	1	ISA CARD HMI-HSSB/PMH		A20B-8100-0100	725352
=15-G4	=15/2.12	1				745677
=15-G4	=15/2.12	1	HSSB ADAPTOR FOR PM-H (LM-ADP)		A02B-0211-C220	726431
=15-G4	=15/2.12	1				727777
=15-G4	=15/2.12	1	cable assy. I/O link 10m		44C741558-004	745589
=15-A26	=15/2.14	1	BETA SERVO AMPLIFIER (SVU-12)		A06B-6093 -H101	714162
=15-A26	=15/2.14	1	POWER MATE J COMMAND CA		44C742196-001	700332

Revision	Date	Name		
			Revised	10.Jun.2001
			Created by	MPR
			Approved	
			Engineer	

HUSKY

Machine Model: GL300PET P100/110 E120

Description:

PROJECT	226764	- BOM	
MACHINE	2376769		
DRAWING NO.	2385717A	Sheet 5	Total 7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=15-A26	=15/2.14	1	POWER MATE J CONNECTOR KIT CX11-3,4,5,6		A06B-6093-K301	714164
=15-A26	=15/2.14	1	DISCHARGE RESISTOR FOR BETA SVU1-20		A06B-6093-H401	741133
=15-A27	=15/2.16	1	BETA SERVO AMPLIFIER (PWM INTERFACE) SVU-20		A06B-6093-H102	736304
=15-A27	=15/2.16	1	POWER MATE J COMMAND CA		44C742196-001	700332
=15-A27	=15/2.16	1	POWER MATE J CONNECTOR KIT CX11-3,4,5,6		A06B-6093-K301	714164
=15-A27	=15/2.16	1	DISCHARGE RESISTOR FOR BETA SVU1-20		A06B-6093-H401	741133
=15-ABU5A	=15/3.5	1	ABU05A BASE I/O UNIT		A03B-0807-C002	737294
=15-ABU5A	=15/3.5	4	SCREW, M4X12 FILLISTER HEAD THR FORM		G7150-040	720654
=15-ABU5A	=15/3.5	4	WASHER, M4 EXT. TOOTH L		37300-040.001	720648
=15-ABU5A	=15/3.5	4	M4 FLAT WASHER		38130-040.001	720651
=15-ABU5A-AIF01A	=15/3.6	1	CABLE INTERFACE		44C741558-003R01	734087
=15-ABU5A-AIF01A	=15/3.6	1	CONNECTOR MODEL A I/O		A02B-0072-K893	737295
=15-ABU5A-AIF01A	=15/3.6	1	INTERFACE MODULE		A03B-0807-J011	734086
=15-ABU5A-AID16D_1	=15/3.7	1	AID16D 16 POINT INPUT			698660
=15-ABU5A-AID16D_2	=15/3.8	1	AID16D 16 POINT INPUT			698660
=15-ABU5A-AOD16D_4	=15/3.11	1	AOD16D 16 POINT OUTPUT			698661
=15-ABU5A-AOR16G_5	=15/3.13	1	AOR16G RELAY OUTPUT			698662
=15-K25	=15/5.2	1	SUPRESSOR DC		3TX7402-3A	709275
=15-K25	=15/5.2	2	AUX. CONT. BLOC FOR 3TF3 1NO			202434
=15-K25	=15/5.2	1	CONTACTOR 15KW 45A 24VDC		3TF3400-0BB4	709440
=15-XJA4	=15/6.3	1	CABLE BATT		44C741863-001	700327
=15-XEB1	=15/6.3	1	PULSE CODER BATTERY CASE		A06B-6050-K060	698657
=15-XEB1	=15/6.3	4	PULSE CODER BATTERY		A98L-0031-0005	698664
=15-XCX3	=15/6.5	1	CONNECTOR ALFA AMP CX3			707828
=15-XCX4	=15/6.6	1	CONNECTOR			707829
=15-XJS1B	=15/6.8	1	POWER MATE J E-STOP CONNECTOR/BETA AMPL		A02B-0120-K301	714165
=15-XJF1	=15/6.11	1	CONNECTOR, 20 PIN, METALIC HOOD		A02B-0066-K205	728557
=15-XCX5Y	=15/8.2	1	BATTERY CONN. BETA AMP		A068B-6093-K303	714168
=15-XJX5	=15/8.5	1	POWER MATE J E-STOP CONNECTOR/BETA AMPL		A02B-0120-K301	714165
=15-BR2	=15/8.6	1	BRIDGE RECTIFIER 25A 80		FB2508	706444
=15-BR2	=15/8.6	1	M4 FLAT WASHER		38130-040.001	720651
=15-BR2	=15/8.6	1	SCREW, M4X25 FILLISTER HEAD THR FORM		G7150-040	720655
=15-Q23	=15/8.7	1	CIRCUIT BREAKER 2-P. 6A AC		V0720G	703880
=15-XJS1B	=15/8.7	1	POWER MATE J E-STOP CONNECTOR/BETA AMPL		A02B-0120-K301	714165
=15-HE1	=15/8.10	1	HEAT EXCHANGER AIR RITTAL 230VAC/50-60 HZ		SK3125	736409
=15-XJF1	=15/8.11	1	CONNECTOR, 20 PIN, METALIC HOOD		A02B-0066-K205	728557
=15-SW2	=15/9.16	1	PUSHBUTTON DIN RAIL		011466	726438
=15-K23	=15/9.17	1	RELAY 24VDC 5AMP 4PDT, LED			700704
=15-K23	=15/9.17	1	RELAY SOCKET		PYF14A	72247
=15-XCX5Y	=15/12.3	1	BATTERY CONN. BETA AMP		A068B-6093-K303	714168
=15-XJX5	=15/12.6	1	POWER MATE J E-STOP CONNECTOR/BETA AMPL		A02B-0120-K301	714165
=15-XJS1B	=15/12.8	1	POWER MATE J E-STOP CONNECTOR/BETA AMPL		A02B-0120-K301	714165
=15-XJF1	=15/12.11	1	CONNECTOR, 20 PIN, METALIC HOOD		A02B-0066-K205	728557
=15-Q12	=15/14.2	1				228526
=15-Q12	=15/14.2	1	Auxiliary Contact (Side Mount)		3RV1901-2A	2268402
=15-K12	=15/14.14	1	Contactor		3RT1024-3BB40	2268413
=15-K12	=15/14.14	1	Surge Suppressor		3RT1926-1ER00	2268414
=15-K12	=15/14.14	1	1-Pole Auxiliary Contact Block.		3RH1921-2CA10	2183044
=15-Q11	=15/17.2	1				228526

BILL OF MATERIAL

COMPONENT I.D.	PAGE/PATH	QTY	DESCRIPTION	SUPPLIER	MODEL NUMBER	PART NUMBER
=15-Q11	=15/17.2	1	Auxiliary Contact (Side Mount)		3RV1901-2A	2268402
=15-K11	=15/17.7	1				2371753
=15-K11	=15/17.7	1	Surge Suppressor		3RT1926-1ER00	2268414
=15-K11	=15/17.7	1	1-Pole Auxiliary Contact Block.		3RH1921-2CA10	2183044
=15-PMH JE1	=15/19.4	2				720364
=15-PMH JE1	=15/19.4	1	POWER MATE J E-STOP CONNECTOR/BETA AMPL		A02B-0120-K301	714165
=15-PMH JE1	=15/19.4	8	FERRULE FOR 22/20 GA WIRE AI 0.5-8WH			648307
=17-A1	=17/1.2	1	CPU Base Plate		IC693CHS391	709586
=17-A1-A6	=17/1.3	1	POWER SUPPLY, 120/240 VAC 30 WATTS - USE HPN		IC693PWR330	705760
=17-A1-A8	=17/1.5	1	GE90-30 CPU MODULE 351		IC693CPU351-DF	709588
=17-A1-A99	=17/1.6	1	GE90-30 MODULE, IO LINK INTERFACE		IC693BEM320	745523
=17-A1-A124	=17/1.7	1	GE90-30 MOTION CONTROL, 2AXES		IC693APU302	709584
=17-A1-A124	=17/1.7	2	CABLE IPM/CPM 0.3M INTERCON		44A732146-005	709549
=17-A1-A124	=17/1.7	2	RESISTOR, 500 OHM		44A725173-E500	T226
=17-A1-A126	=17/1.10	1	PLC Module, Positioning -IPM		IC693APU302K	715984
=17-A1-A126	=17/1.10	2	CABLE IPM/CPM 0.3M INTERCON		44A732146-005	709549
=17-A1-A126	=17/1.10	2	RESISTOR, 500 OHM		44A725173-E500	T226
=17-A1-A127	=17/1.11	1	PLC Module, Positioning -IPM		IC693APU302K	715984
=17-A1-A127	=17/1.11	1	CABLE IPM/CPM 0.3M INTERCON		44A732146-005	709549
=17-A1-A127	=17/1.11	1	RESISTOR, 500 OHM		44A725173-E500	T226
=17-A1-A125	=17/1.12	1	GE90-30 MOTION CONTROL, 2AXES		IC693APU302	2205316
=17-A1-A125	=17/1.12	2	CABLE IPM/CPM 0.3M INTERCON		44A732146-005	709549
=17-A1-A125	=17/1.12	2	RESISTOR, 500 OHM		44A725173-E500	T226
=17-A1-A49	=17/1.13	1	ANALOG VOLTAGE OUTPUT, 2		IC693ALG390	721106
=17-A1-A33	=17/1.15	1	Temperature Control Module		44A737831-002R07	742553
=17-A1-A32	=17/1.16	1	Temperature Control Module		44A737831-002R07	742553
=17-A2	=17/2.3	1	GE90-30 BASE PLATE 10 SLOTS EXPANSION		IC693CHS392	709587
=17-A2	=17/2.3	1	GE90-30 I/O BUS TERMINATOR PLUG		IC693ACC307	709581
=17-A2-A86	=17/2.3	1	POWER SUPPLY, 120/240 VAC 30 WATTS - USE HPN		IC693PWR330	705760
=17-A2-A63	=17/2.5	1	GE90-30 16POINTS POS FAST INPUT		IC693MDL646	709589
=17-A2-A64	=17/2.6	1	GE90-30 16POINTS POS FAST INPUT		IC693MDL646	709589
=17-A2-A71	=17/2.7	1	GE90-30 16POINTS 1A OUTPUT ESCPOUT		IC693MDL742	709627
=17-A2-A72	=17/2.9	1	GE90-30 8POINTS 2A 12/24 VDC OUTPUT		IC693MDL730	709590
=17-A2-A73	=17/2.10	1	GE90-30 8POINTS 2A 12/24 VDC OUTPUT		IC693MDL730	709590
=17-A2-A74	=17/2.11	1	GE90-30 16POINTS 1A OUTPUT ESCPOUT		IC693MDL742	709627
=17-A2-A75	=17/2.12	1	GE90-30 16POINTS 1A OUTPUT ESCPOUT		IC693MDL742	709627
=17-A2-A65	=17/2.16	1	GE90-30 16POINTS POS FAST INPUT		IC693MDL646	709589
=17-A110	=17/3.4	1	RACK, 5 SLOT		IC693CHS397	720976
=17-A110	=17/3.4	1	GE90-30 I/O BUS TERMINATOR PLUG		IC693ACC307	709581
=17-A110-A206	=17/3.5	1	GE90-30 POWER SUPPLY 120/240 30W		IC693PWR330A	709591
=17-A110-A34	=17/3.7	1	Temperature Control Module		44A737831-002R07	742553
=17-A110-A77	=17/3.9	1	PLC Output Module		IC693MDL753	746520
=17-A110-A78	=17/3.10	1	PLC Output Module		IC693MDL753	746520

Revision	Date	Name		
			Revised	10-Jun-2001
			Created by	MPR
			Approved	
			Engineer	

HUSKY

Machine Model: GL300PET P100/110 E120

Description:

PROJECT: 226764 — BOM

MACHINE: 2376769

DRAWING NO.: 2385717A

Sheet 7 Total 7

1	MOLD OPEN
2	MOLD CLOSE
3	MOLD COOLING
4	INJECT
5	
6	SCREW ROTATE
7	UNCLAMP
8	CLAMP UP
9	VALVE GATE AUT/OPEN
10	
11	CARRIAGE FORWARD
12	CARRIAGE BACK
13	EJECTOR AUT/BACK
14	EJECTOR FORWARD
15	AIR 1 AUT/ON
16	ROBOT PWR ON
17	ROBOT PWR OFF
18	ROBOT ENGAGE
19	VACUUM BLOW 1
20	VACUUM BLOW 2
21	VACUUM BLOW 3
22	Z AXIS OUT
23	Z AXIS IN
24	X AXIS BACK
25	
26	
27	
28	C AXIS VERT
29	C AXIS HORIZ
30	X AXIS FORWARD
31	CYCLE START
32	AUTO
33	SEMI
34	MANUAL
35	PUMP MOTOR ON
36	PUMP MOTOR OFF

ROW
LABEL & REVISION

Row						
2	1	2	3	4		6
	IQ112	IQ113	IQ114	IQ118	IQ119	IQ120
3	7	8	9		11	12
	IQ115	IQ116	IQ117	IQ121	IQ122	IQ123

SPANISH

PLEASE SUBSTITUTE NUMBERS WITH TEXT AT LEFT!

Row						
6	13	14	15	16	17	18
	IQ124	IQ125	IQ126	IQ133	IQ134	IQ135
7	19	20	21	22	23	24
	IQ127	IQ128	IQ129	IQ136	IQ137	IQ138
8				28	29	30
	IQ130	IQ131	IQ132	IQ139	IQ140	IQ141

NOTE: IQn denotes
%In for pushbutton
%Qn for LED
IQ105 = heartbeat

Row						
10	31	32	33	34	35	36
	IQ106	IQ107	IQ108	IQ109	IQ110	IQ111

Revision	Date	Name			
			Revised	28.Mar.2001	MPR
			Created by		MPR
V8			Approved		
			Engineer		

HUSKY

Machine Model: GL300PET P100/110 E120

Description: HMI KEYPAD LAYOUT PHASE II

PROJECT	226764
MACHINE	2376769
DRAWING NO.	2385717A
	= SEL
	SL-01-J-H00
Sheet	1
Total	1